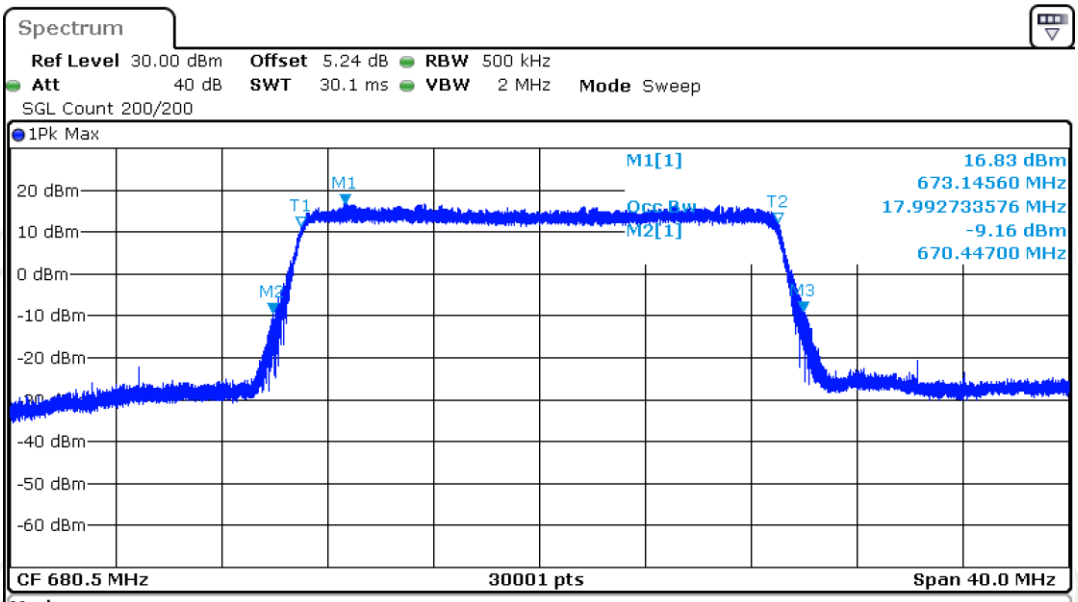
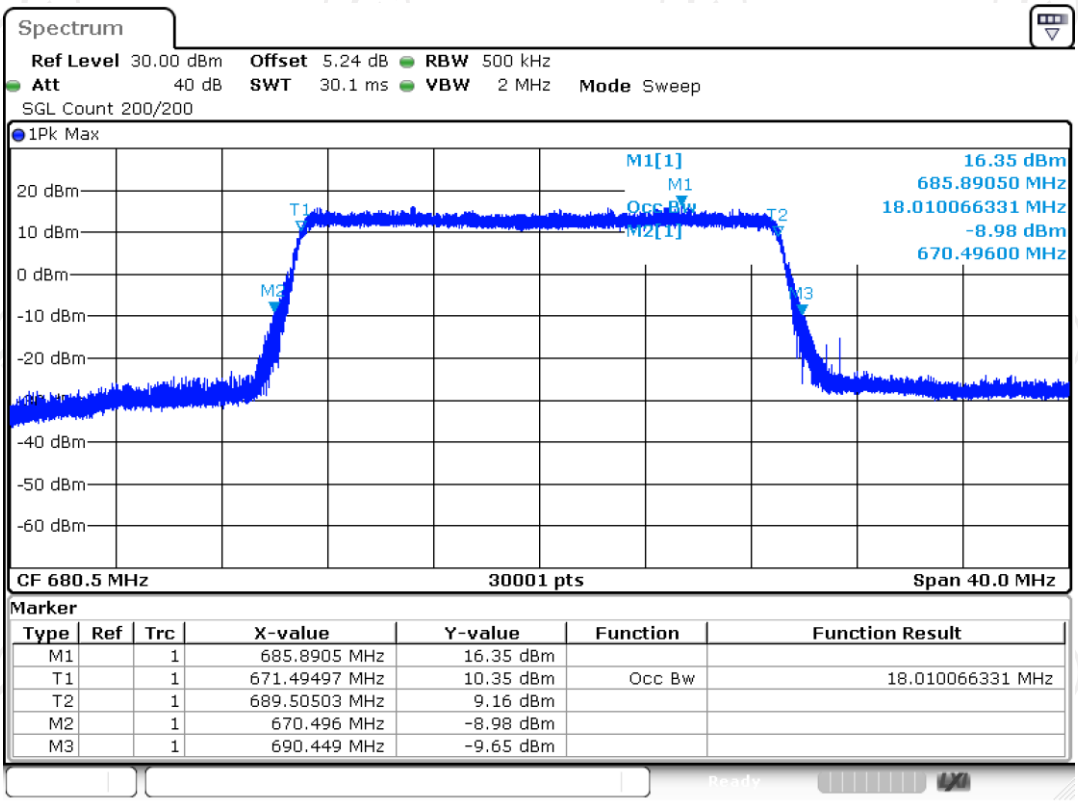


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	673.1456 MHz	16.83 dBm		
T1		1	671.51097 MHz	11.20 dBm	Occ Bw	17.992733576 MHz
T2		1	689.5037 MHz	12.20 dBm		
M2		1	670.447 MHz	-9.16 dBm		
M3		1	690.465 MHz	-8.99 dBm		

Date: 7.SEP.2023 17:38:02

Band71 16QAM BW=20MHz Channel=133297 RB Size=100 Position=#0

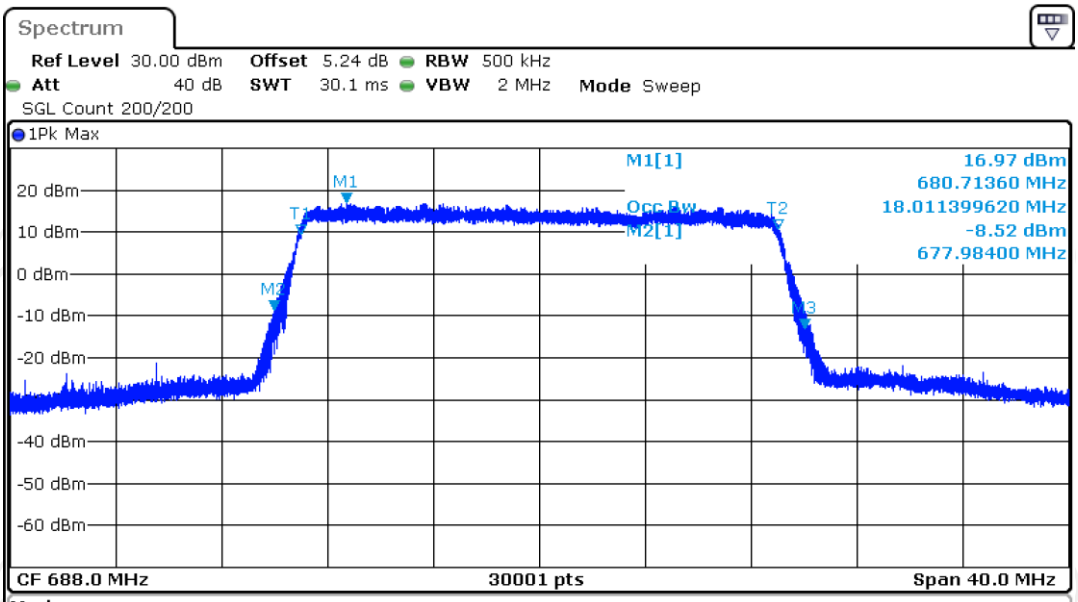


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	685.8905 MHz	16.35 dBm		
T1		1	671.49497 MHz	10.35 dBm	Occ Bw	18.010066331 MHz
T2		1	689.50503 MHz	9.16 dBm		
M2		1	670.496 MHz	-8.98 dBm		
M3		1	690.449 MHz	-9.65 dBm		

Date: 7.SEP.2023 17:38:19

Band71 QPSK BW=20MHz Channel=133372 RB Size=100 Position=#0

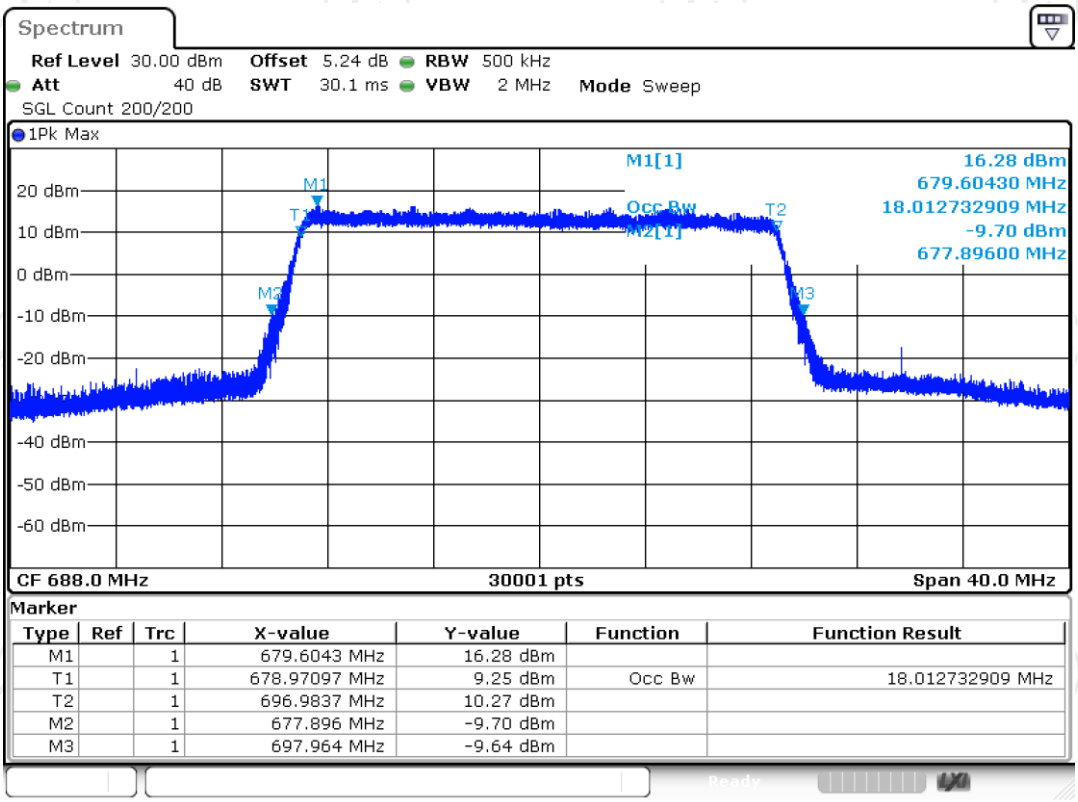


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	680.7136 MHz	16.97 dBm		
T1		1	678.97763 MHz	9.53 dBm	Occ Bw	18.01139962 MHz
T2		1	696.98903 MHz	10.59 dBm		
M2		1	677.984 MHz	-8.52 dBm		
M3		1	698.035 MHz	-12.99 dBm		

Date: 7.SEP.2023 17:38:36

Band71 16QAM BW=20MHz Channel=133372 RB Size=100 Position=#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	679.6043 MHz	16.28 dBm		
T1		1	678.97097 MHz	9.25 dBm	Occ Bw	18.012732909 MHz
T2		1	696.9837 MHz	10.27 dBm		
M2		1	677.896 MHz	-9.70 dBm		
M3		1	697.964 MHz	-9.64 dBm		

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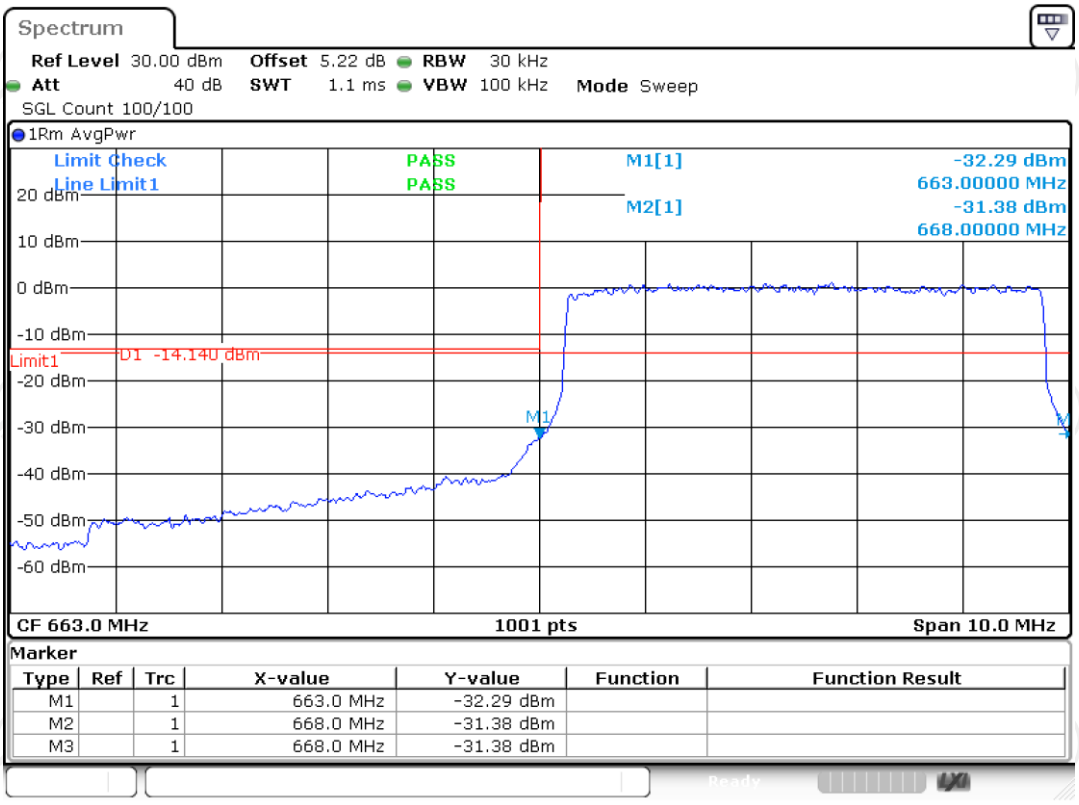
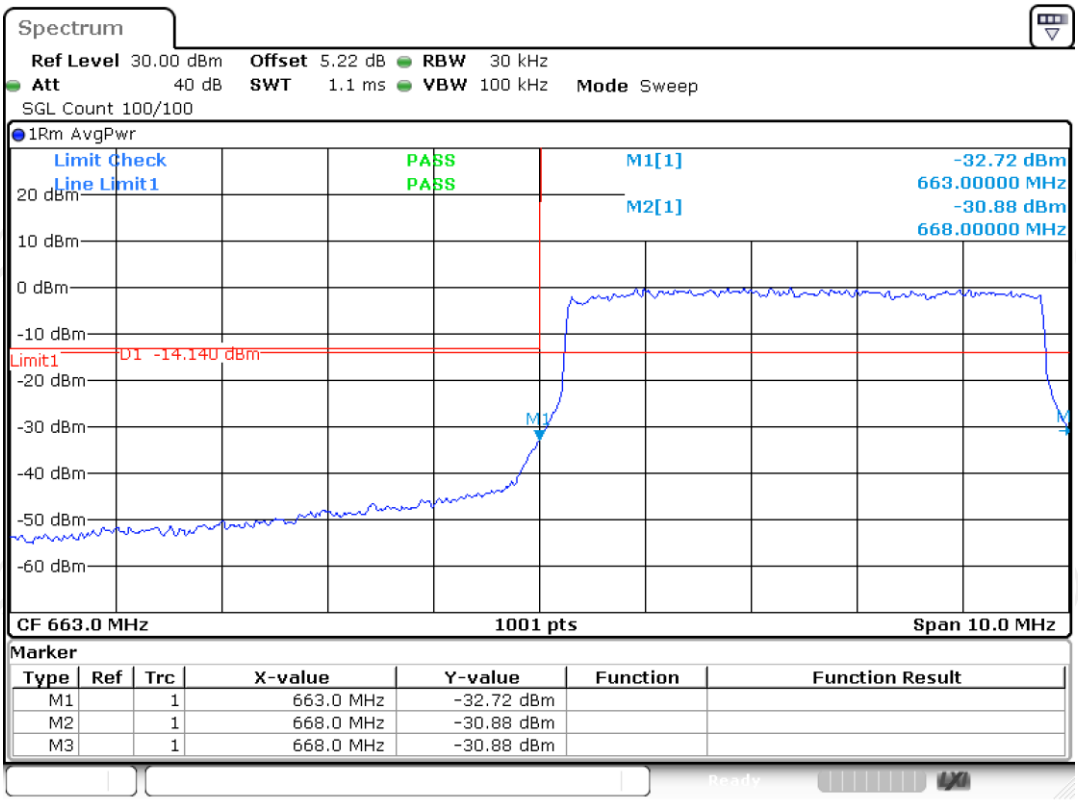
5 Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band71	5	133147	25	#0	QPSK	663.00	-32.29	-13	PASS
Band71	5	133147	25	#0	16QAM	663.00	-32.72	-13	PASS
Band71	5	133447	25	#0	QPSK	698.00	-29.91	-13	PASS
Band71	5	133447	25	#0	16QAM	698.00	-30.22	-13	PASS
Band71	10	133172	50	#0	QPSK	663.00	-39.28	-13	PASS
Band71	10	133172	50	#0	16QAM	663.00	-40.54	-13	PASS
Band71	10	133422	50	#0	QPSK	698.00	-36.72	-13	PASS
Band71	10	133422	50	#0	16QAM	698.02	-36.15	-13	PASS
Band71	15	133197	75	#0	QPSK	663.00	-41.05	-13	PASS
Band71	15	133197	75	#0	16QAM	663.00	-42.84	-13	PASS
Band71	15	133397	75	#0	QPSK	698.00	-38.84	-13	PASS
Band71	15	133397	75	#0	16QAM	698.09	-41.69	-13	PASS
Band71	20	133222	100	#0	QPSK	663.00	-45.77	-13	PASS
Band71	20	133222	100	#0	16QAM	662.92	-46.25	-13	PASS
Band71	20	133372	100	#0	QPSK	698.00	-43.37	-13	PASS
Band71	20	133372	100	#0	16QAM	698.00	-44.48	-13	PASS

Band71 QPSK BW=5MHz Channel=133147 RB Size=25 Position=#0

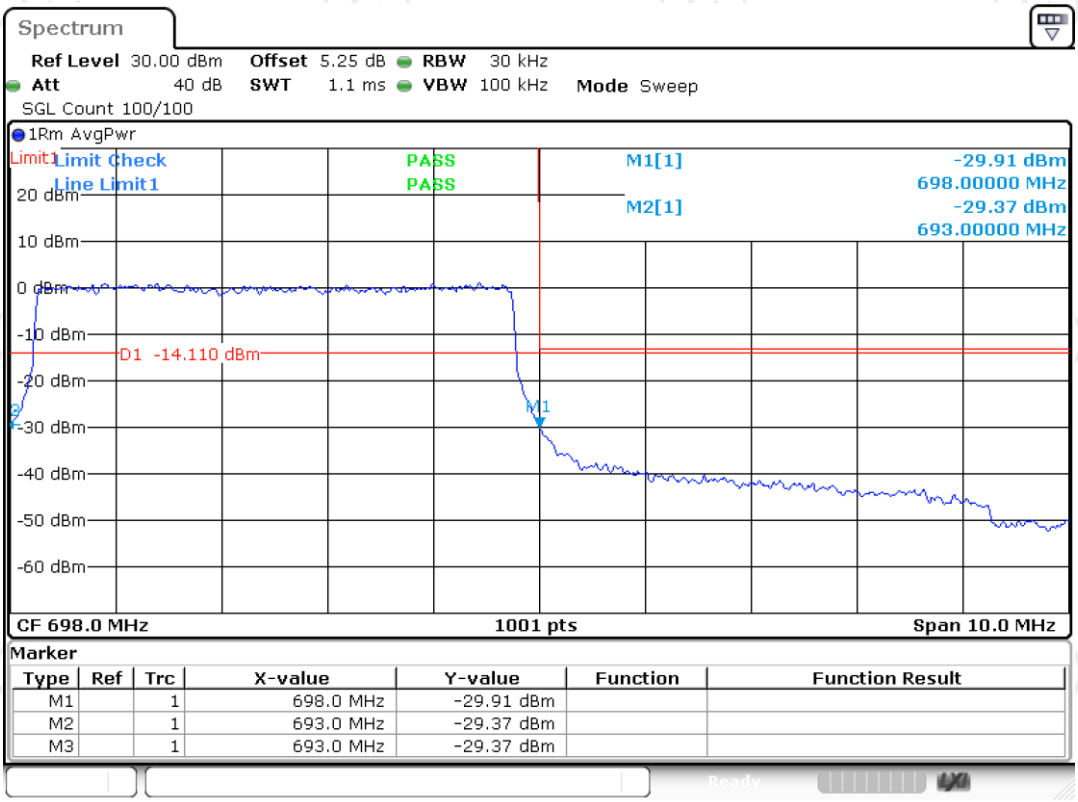


Band71 16QAM BW=5MHz Channel=133147 RB Size=25 Position=#0



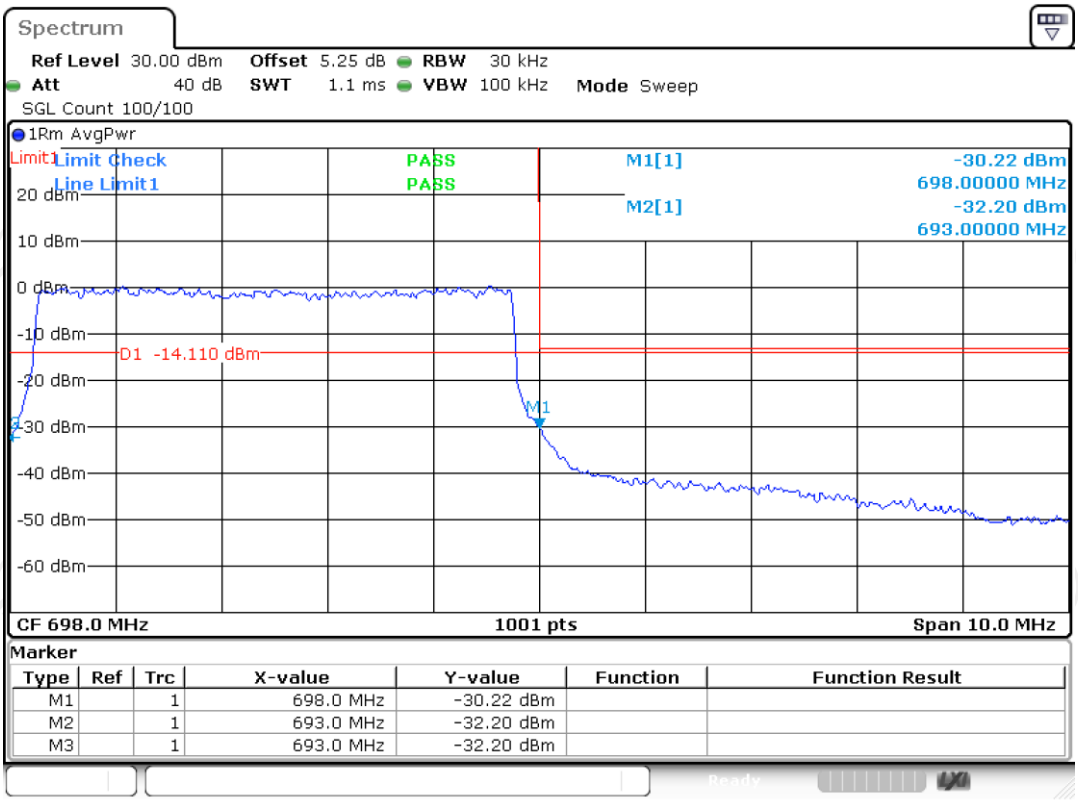
Date: 7.SEP.2023 17:39:15

Band71 QPSK BW=5MHz Channel=133447 RB Size=25 Position=#0



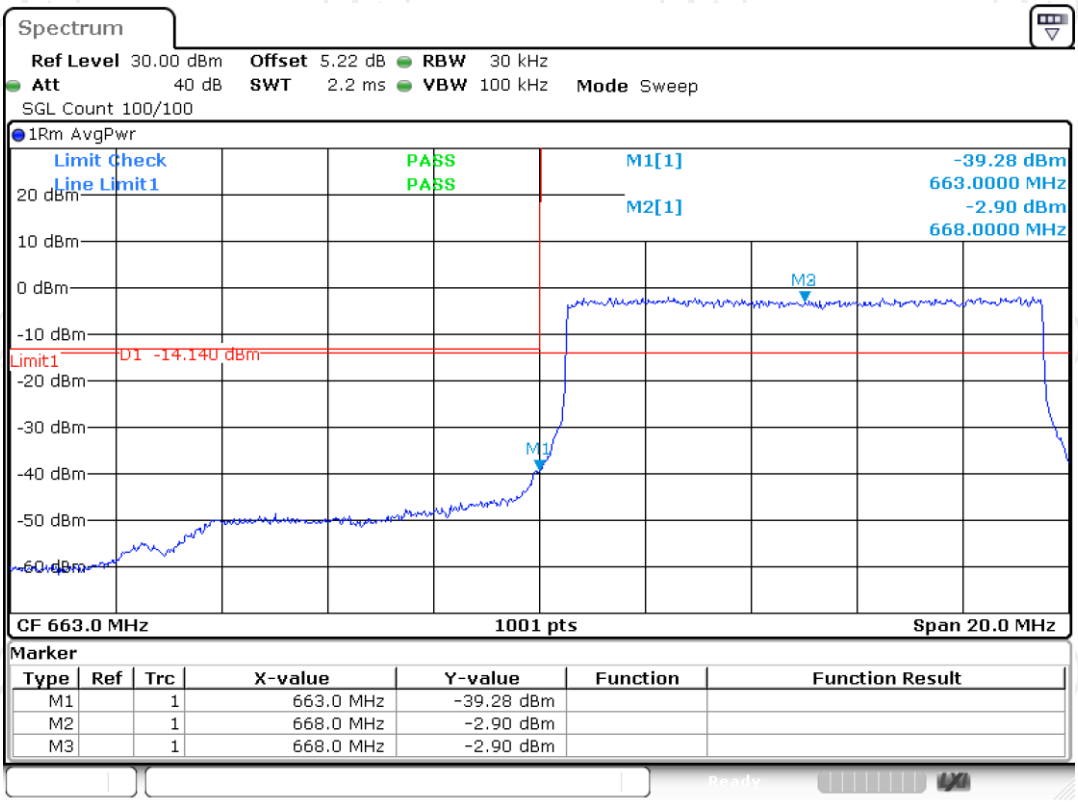
Date: 7.SEP.2023 17:39:21

Band71 16QAM BW=5MHz Channel=133447 RB Size=25 Position=#0



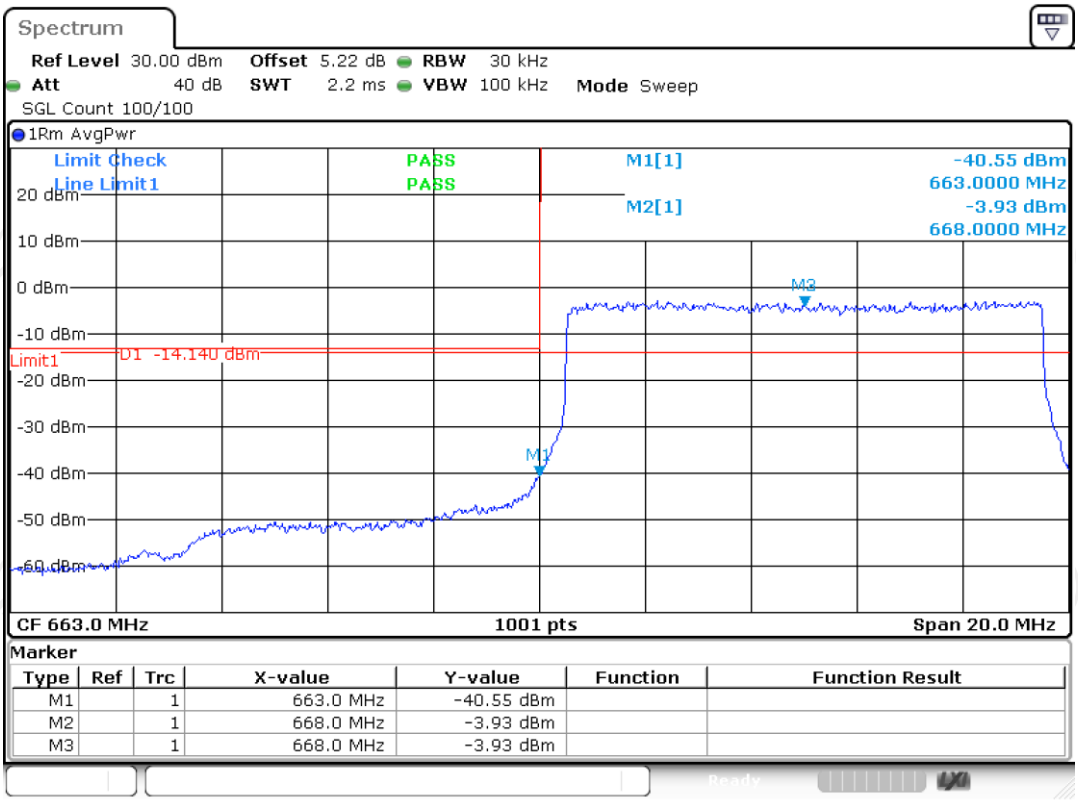
Date: 7.SEP.2023 17:39:26

Band71 QPSK BW=10MHz Channel=133172 RB Size=50 Position=#0



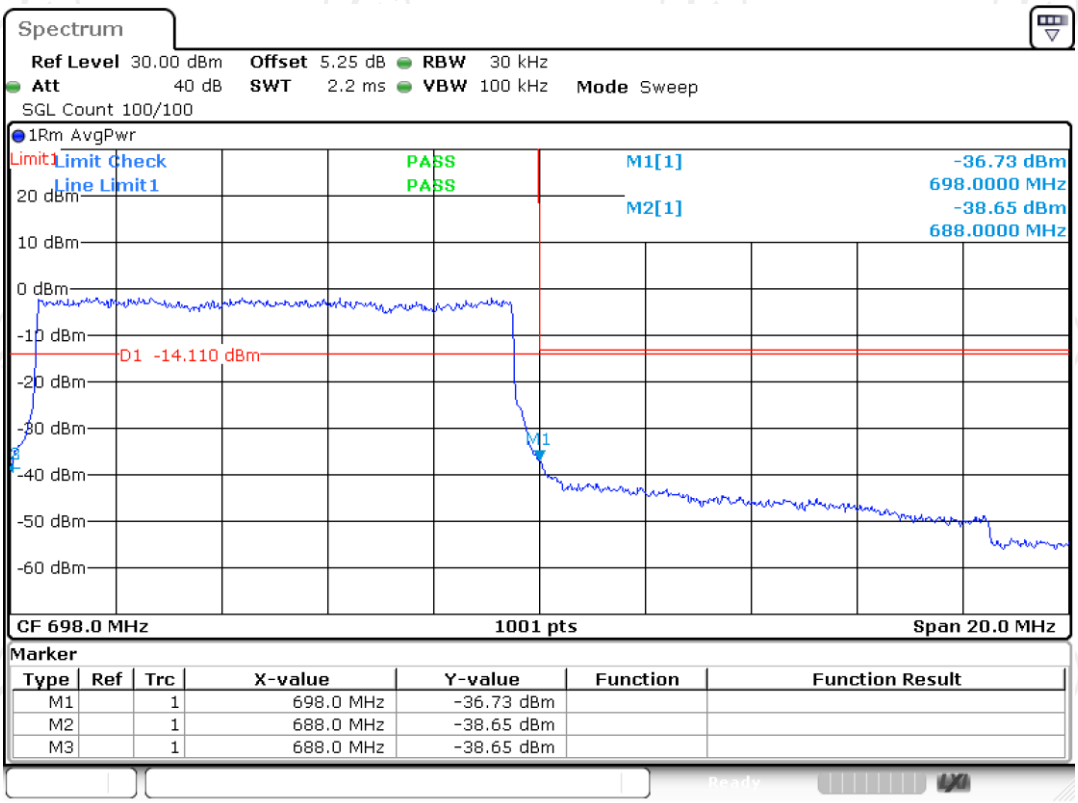
Date: 7.SEP.2023 17:39:32

Band71 16QAM BW=10MHz Channel=133172 RB Size=50 Position=#0



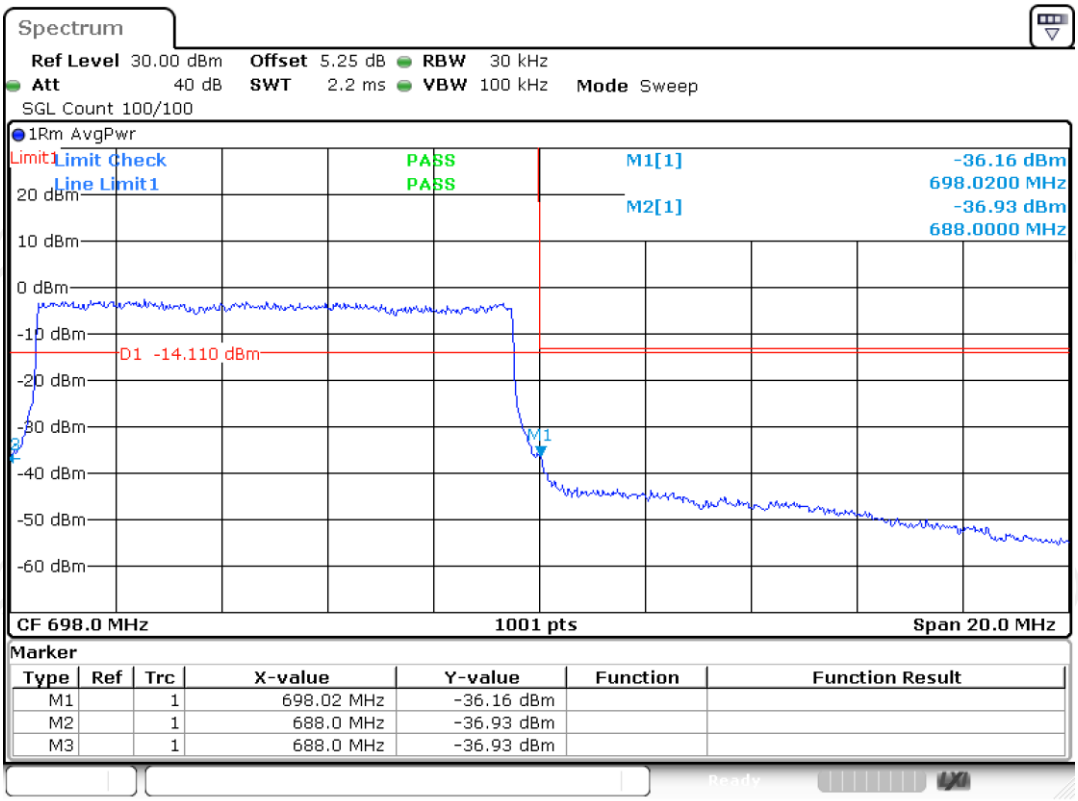
Date: 7.SEP.2023 17:39:36

Band71 QPSK BW=10MHz Channel=133422 RB Size=50 Position=#0



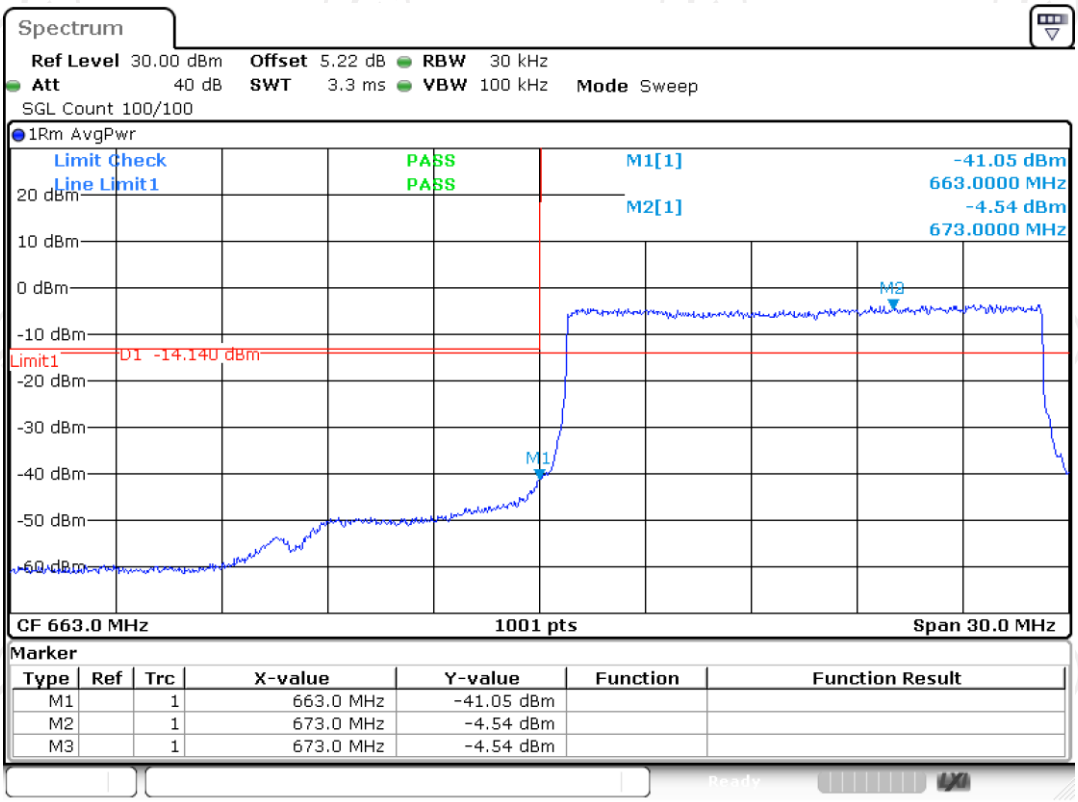
Date: 7.SEP.2023 17:39:43

Band71 16QAM BW=10MHz Channel=133422 RB Size=50 Position=#0



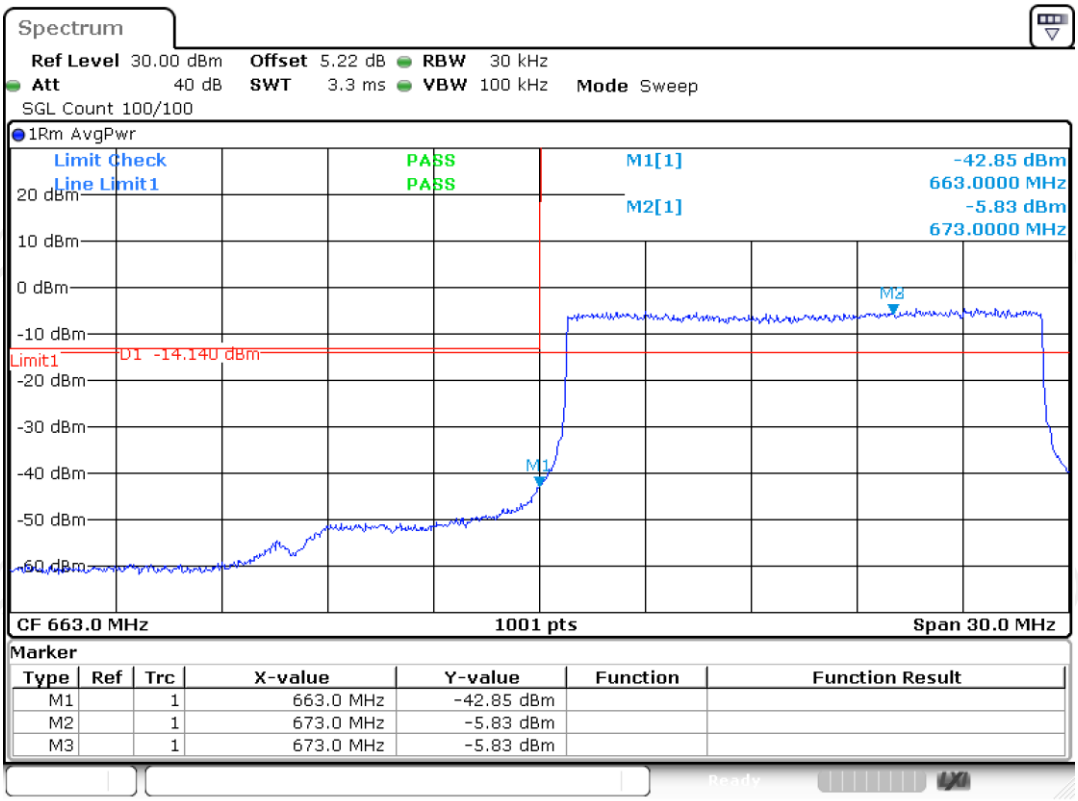
Date: 7.SEP.2023 17:39:49

Band71 QPSK BW=15MHz Channel=133197 RB Size=75 Position=#0



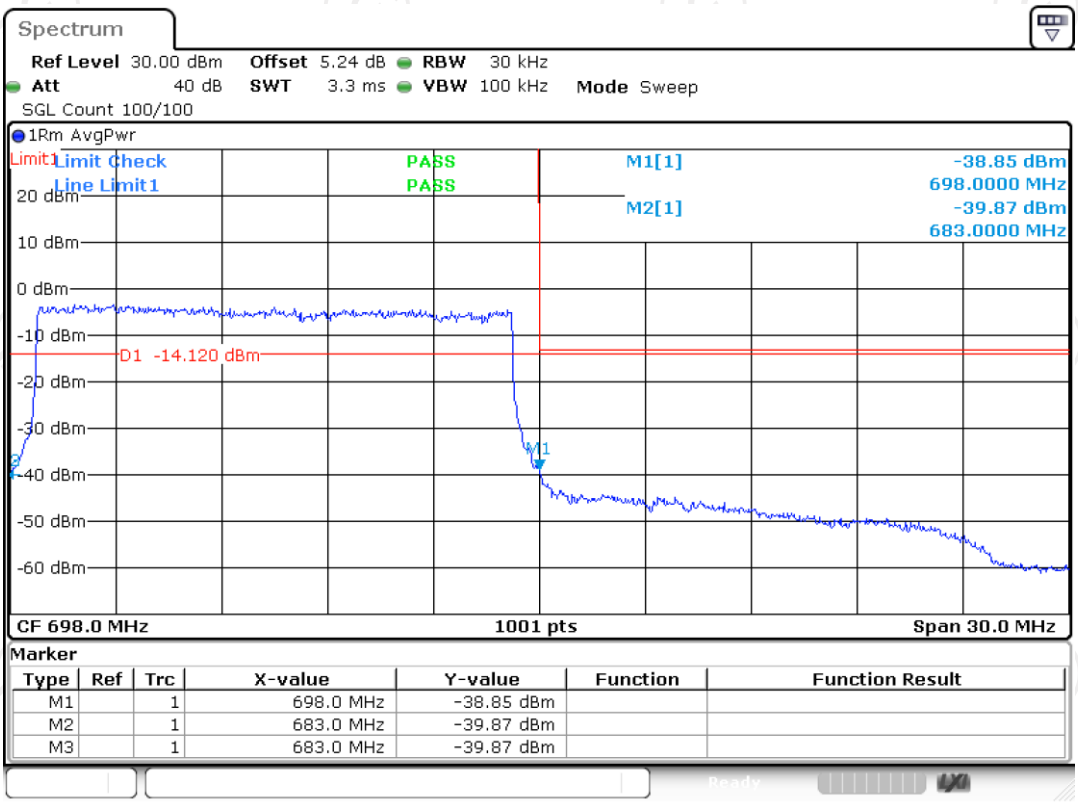
Date: 7.SEP.2023 17:39:55

Band71 16QAM BW=15MHz Channel=133197 RB Size=75 Position=#0



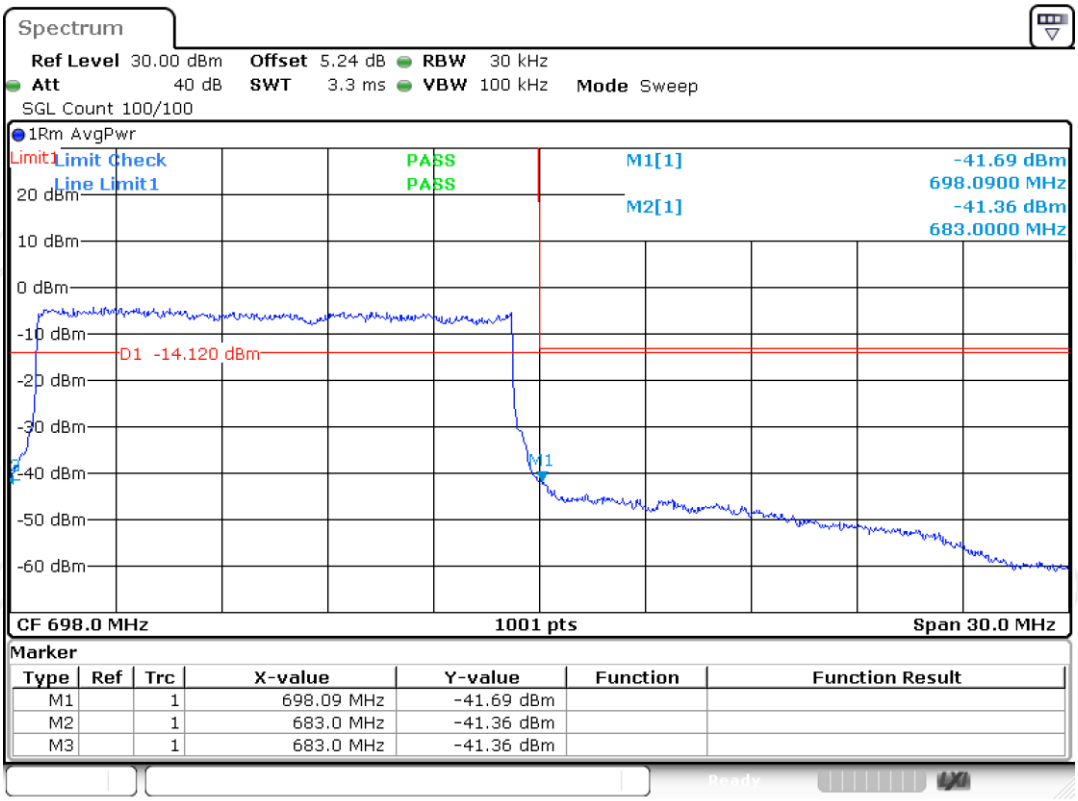
Date: 7.SEP.2023 17:40:01

Band71 QPSK BW=15MHz Channel=133397 RB Size=75 Position=#0

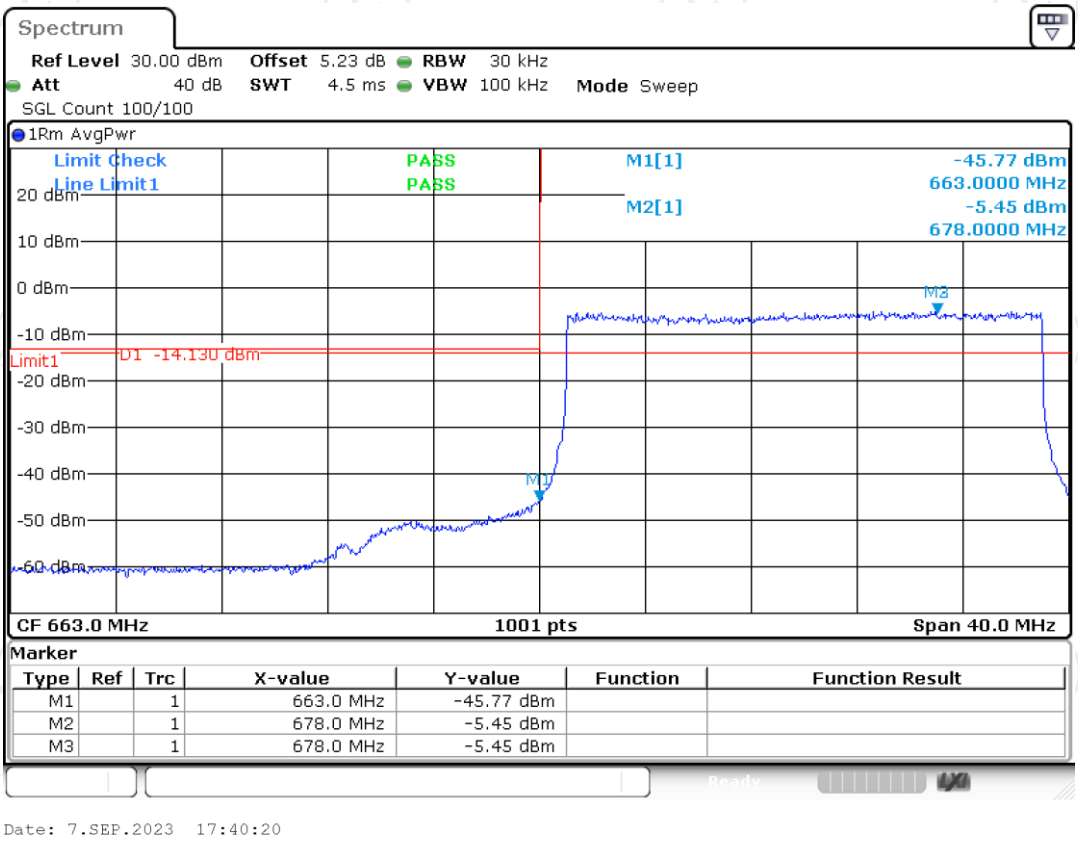


Date: 7.SEP.2023 17:40:07

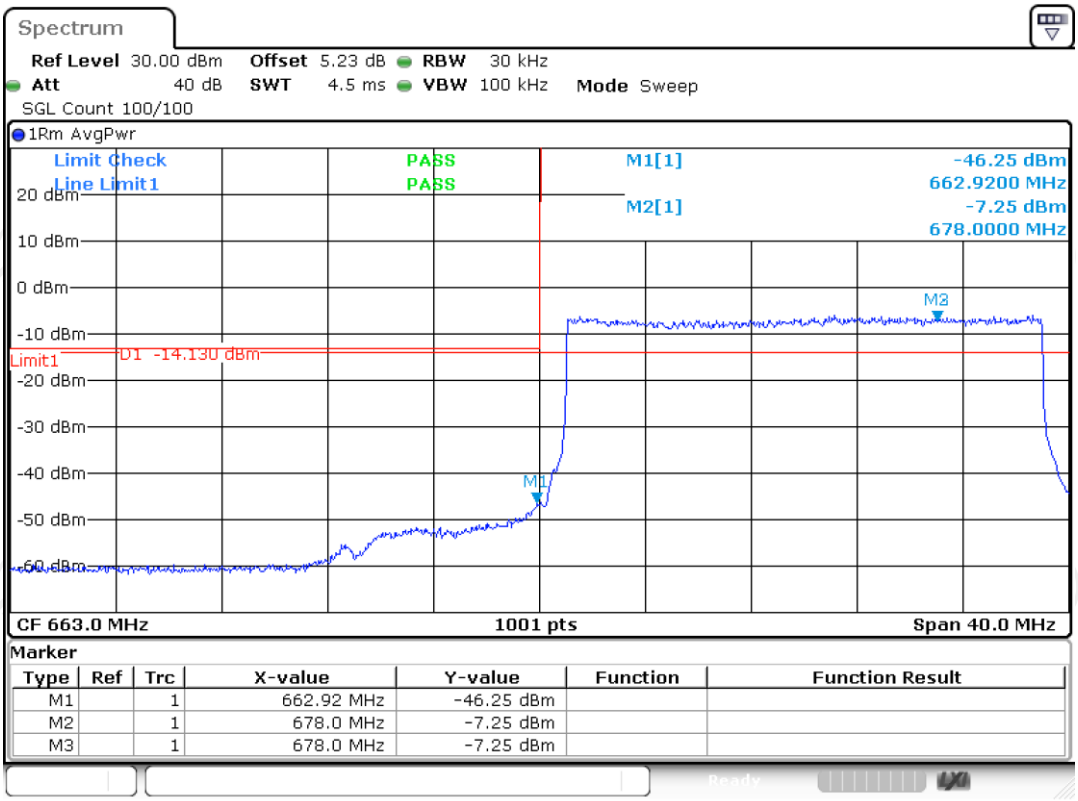
Band71 16QAM BW=15MHz Channel=133397 RB Size=75 Position=#0



Band71 QPSK BW=20MHz Channel=133222 RB Size=100 Position=#0

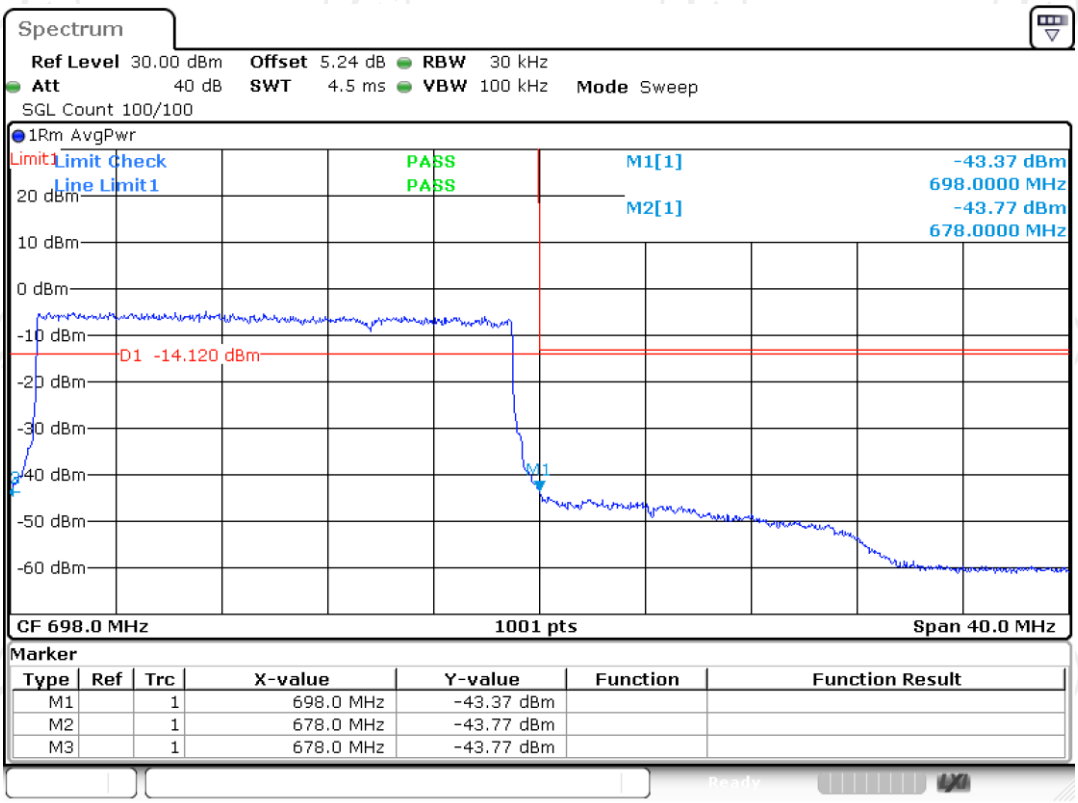


Band71 16QAM BW=20MHz Channel=133222 RB Size=100 Position=#0



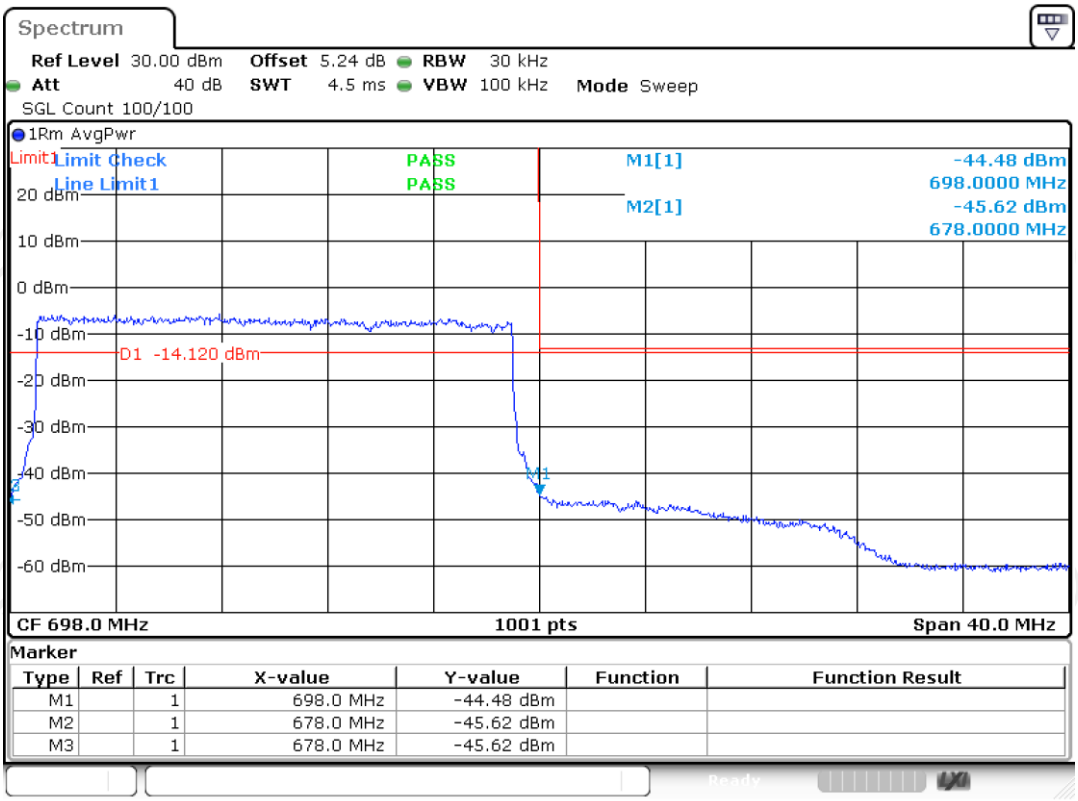
Date: 7.SEP.2023 17:40:26

Band71 QPSK BW=20MHz Channel=133372 RB Size=100 Position=#0



Date: 7.SEP.2023 17:40:33

Band71 16QAM BW=20MHz Channel=133372 RB Size=100 Position=#0



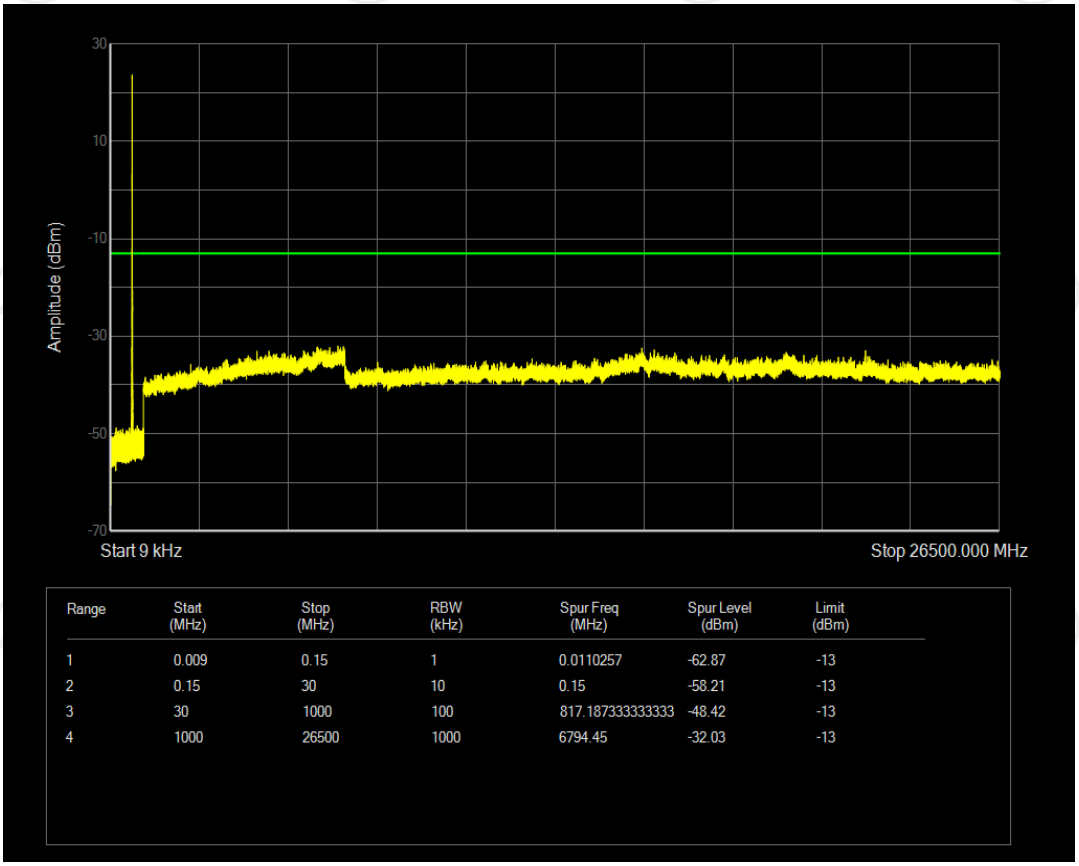
Date: 7.SEP.2023 17:40:40

6 Out-of-band emissions

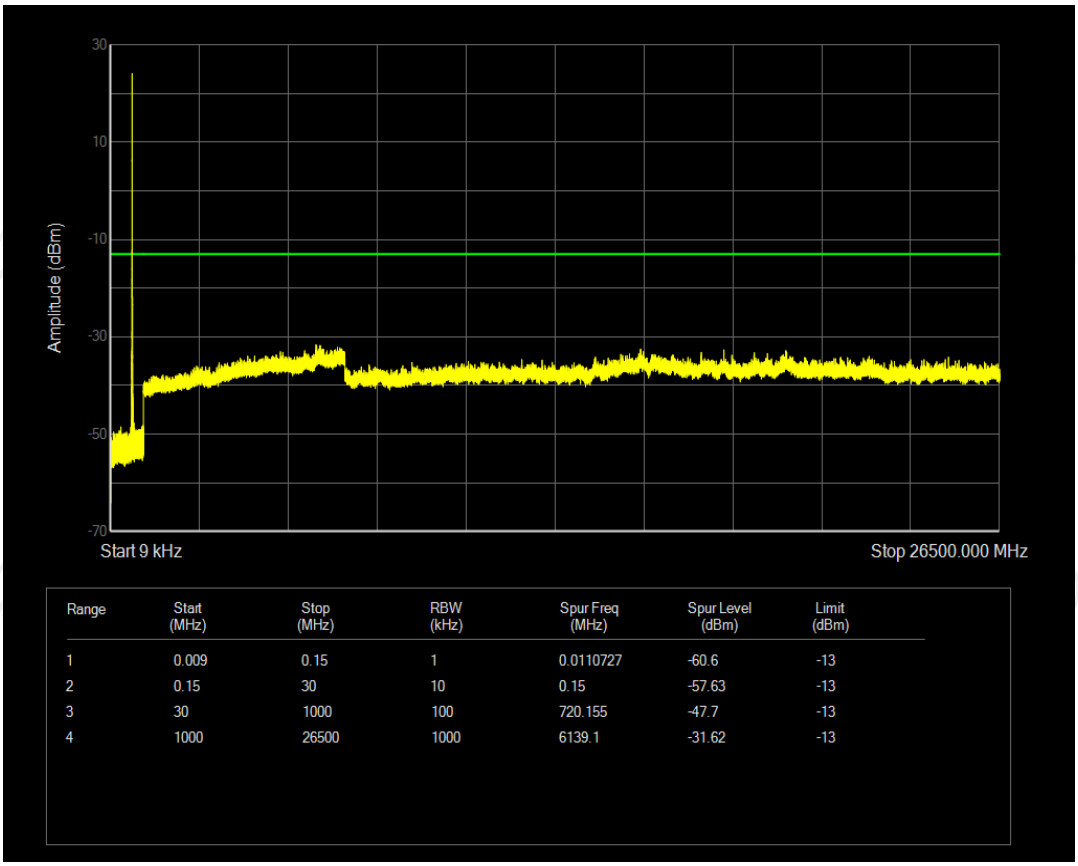
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band71	5	133147	1	#0	QPSK	6794.45	-32.03	-13	PASS
Band71	5	133147	1	#0	16QAM	6139.10	-31.62	-13	PASS
Band71	5	133297	1	#0	QPSK	6778.30	-32.00	-13	PASS
Band71	5	133297	1	#0	16QAM	20139.45	-30.72	-13	PASS
Band71	5	133447	1	#0	QPSK	6279.35	-31.22	-13	PASS
Band71	5	133447	1	#0	16QAM	6763.85	-31.78	-13	PASS
Band71	10	133172	1	#0	QPSK	16206.50	-31.66	-13	PASS
Band71	10	133172	1	#0	16QAM	6677.15	-31.93	-13	PASS
Band71	10	133297	1	#0	QPSK	6842.90	-31.46	-13	PASS
Band71	10	133297	1	#0	16QAM	6385.60	-31.55	-13	PASS
Band71	10	133422	1	#0	QPSK	6329.50	-31.22	-13	PASS
Band71	10	133422	1	#0	16QAM	6248.75	-31.67	-13	PASS
Band71	15	133197	1	#0	QPSK	6173.10	-31.14	-13	PASS
Band71	15	133197	1	#0	16QAM	6233.45	-31.89	-13	PASS
Band71	15	133297	1	#0	QPSK	6496.10	-30.94	-13	PASS
Band71	15	133297	1	#0	16QAM	6359.25	-31.43	-13	PASS
Band71	15	133397	1	#0	QPSK	6826.75	-32.10	-13	PASS
Band71	15	133397	1	#0	16QAM	6166.30	-31.76	-13	PASS
Band71	20	133222	1	#0	QPSK	6223.25	-31.64	-13	PASS

Band71	20	133222	1	#0	16QAM	6241.10	-32.14	-13	PASS
Band71	20	133297	1	#0	QPSK	15825.70	-30.83	-13	PASS
Band71	20	133297	1	#0	16QAM	6246.20	-31.05	-13	PASS
Band71	20	133372	1	#0	QPSK	20120.75	-31.53	-13	PASS
Band71	20	133372	1	#0	16QAM	6551.35	-32.05	-13	PASS

Band71 QPSK BW=5MHz Channel=133147 RB Size=1 Position=#0

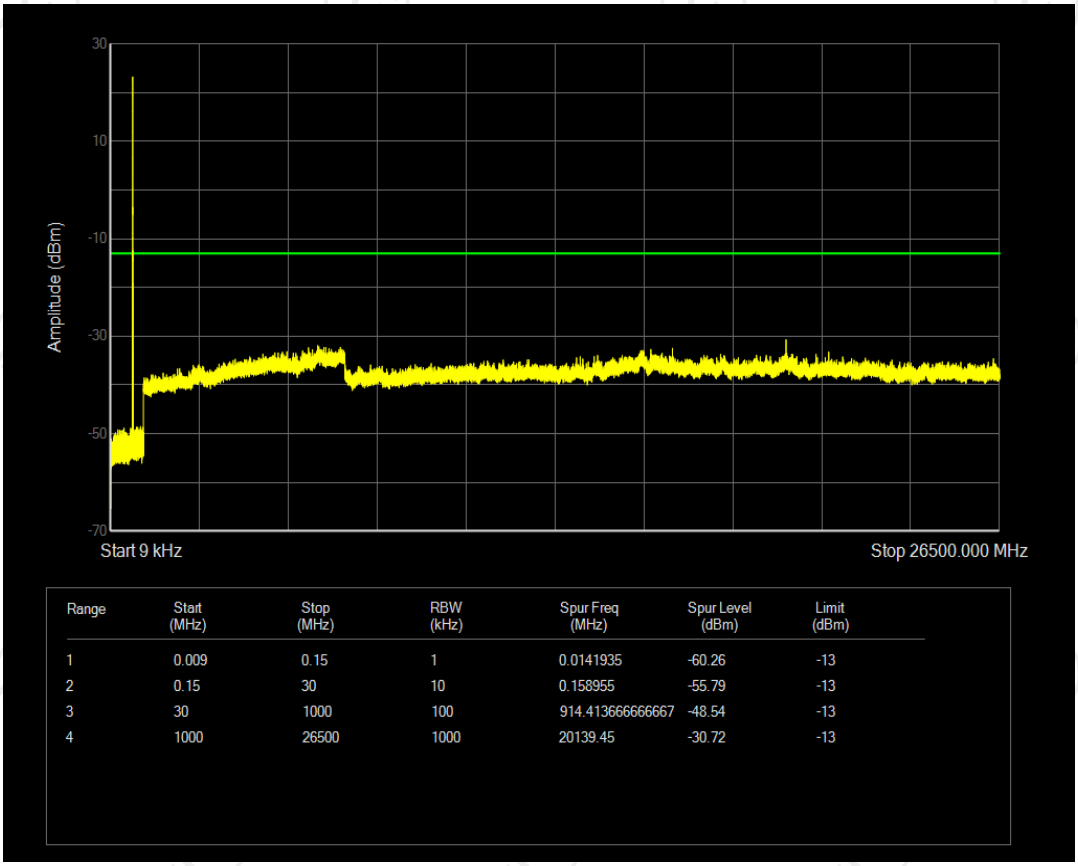


Band71 16QAM BW=5MHz Channel=133147 RB Size=1 Position=#0



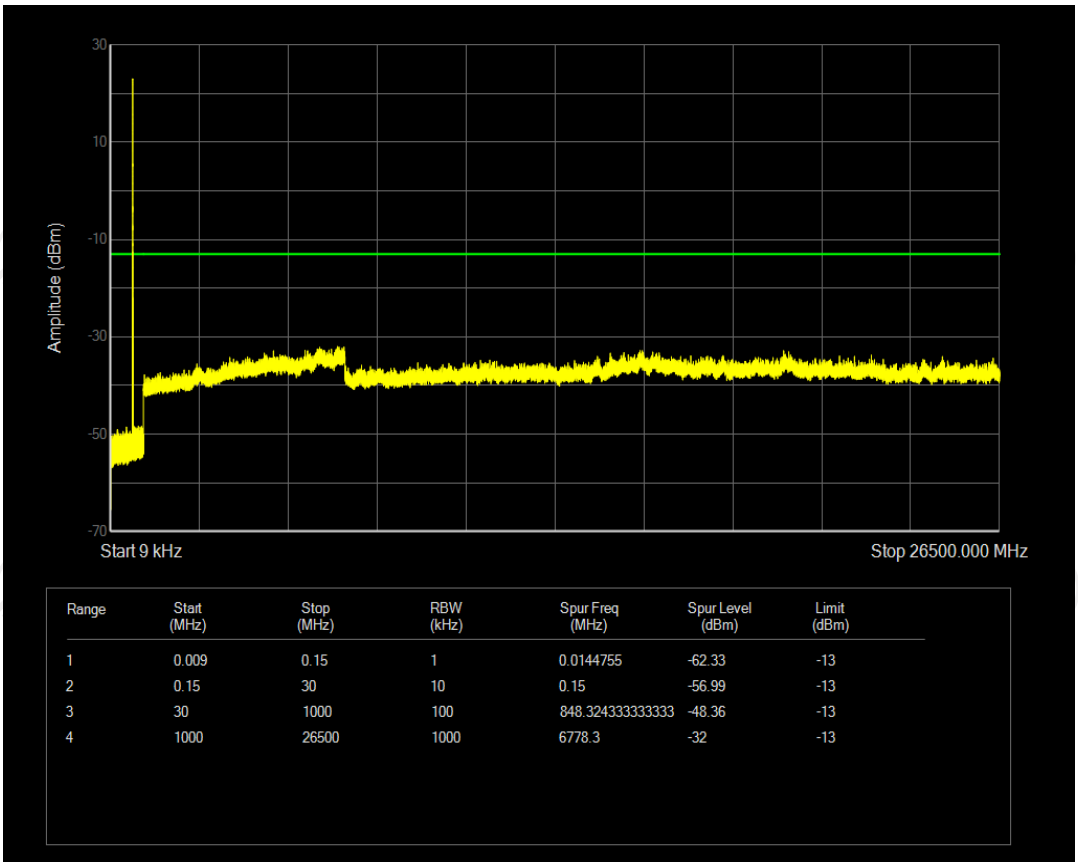
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0110727	-60.6	-13
2	0.15	30	10	0.15	-57.63	-13
3	30	1000	100	720.155	-47.7	-13
4	1000	26500	1000	6139.1	-31.62	-13

Band71 16QAM BW=5MHz Channel=133297 RB Size=1 Position=#0



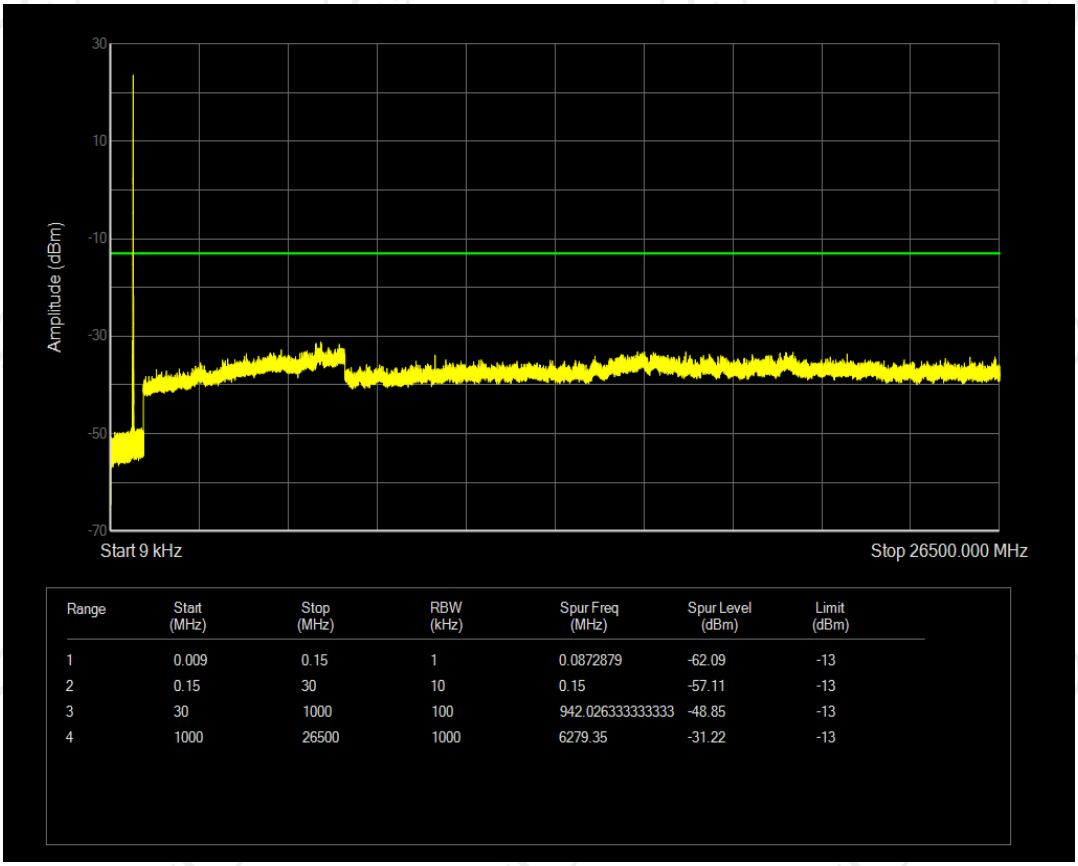
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0141935	-60.26	-13
2	0.15	30	10	0.158955	-55.79	-13
3	30	1000	100	914.413666666667	-48.54	-13
4	1000	26500	1000	20139.45	-30.72	-13

Band71 QPSK BW=5MHz Channel=133297 RB Size=1 Position=#0



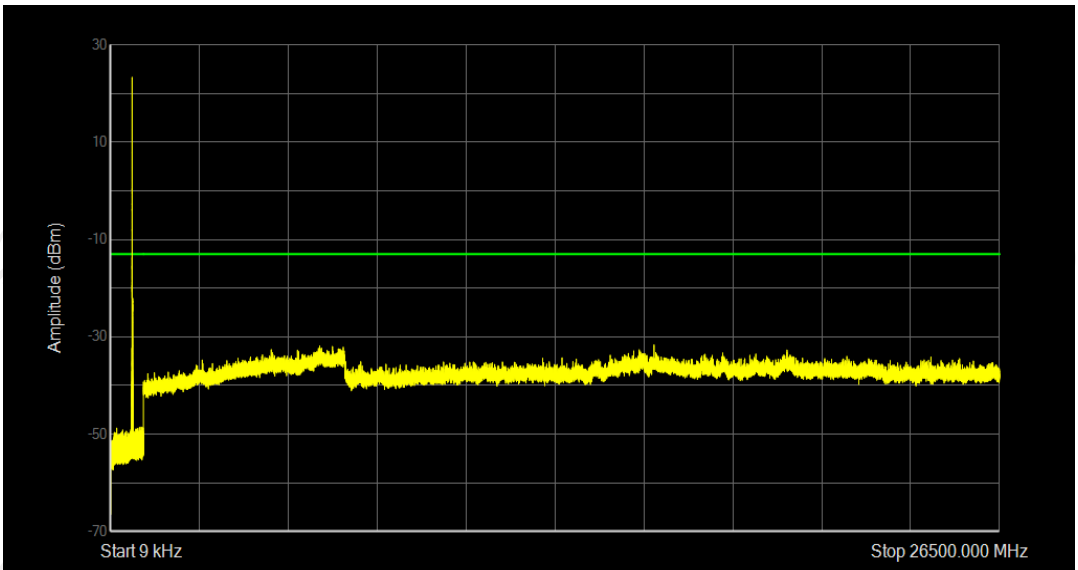
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0144755	-62.33	-13
2	0.15	30	10	0.15	-56.99	-13
3	30	1000	100	848.324333333333	-48.36	-13
4	1000	26500	1000	6778.3	-32	-13

Band71 QPSK BW=5MHz Channel=133447 RB Size=1 Position=#0



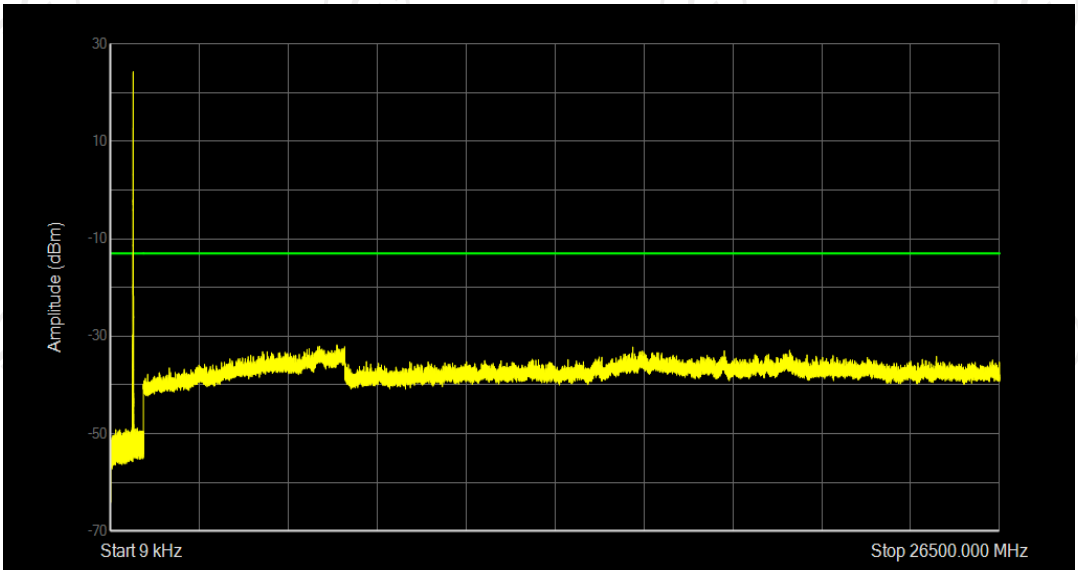
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0872879	-62.09	-13
2	0.15	30	10	0.15	-57.11	-13
3	30	1000	100	942.026333333333	-48.85	-13
4	1000	26500	1000	6279.35	-31.22	-13

Band71 QPSK BW=10MHz Channel=133172 RB Size=1 Position=#0



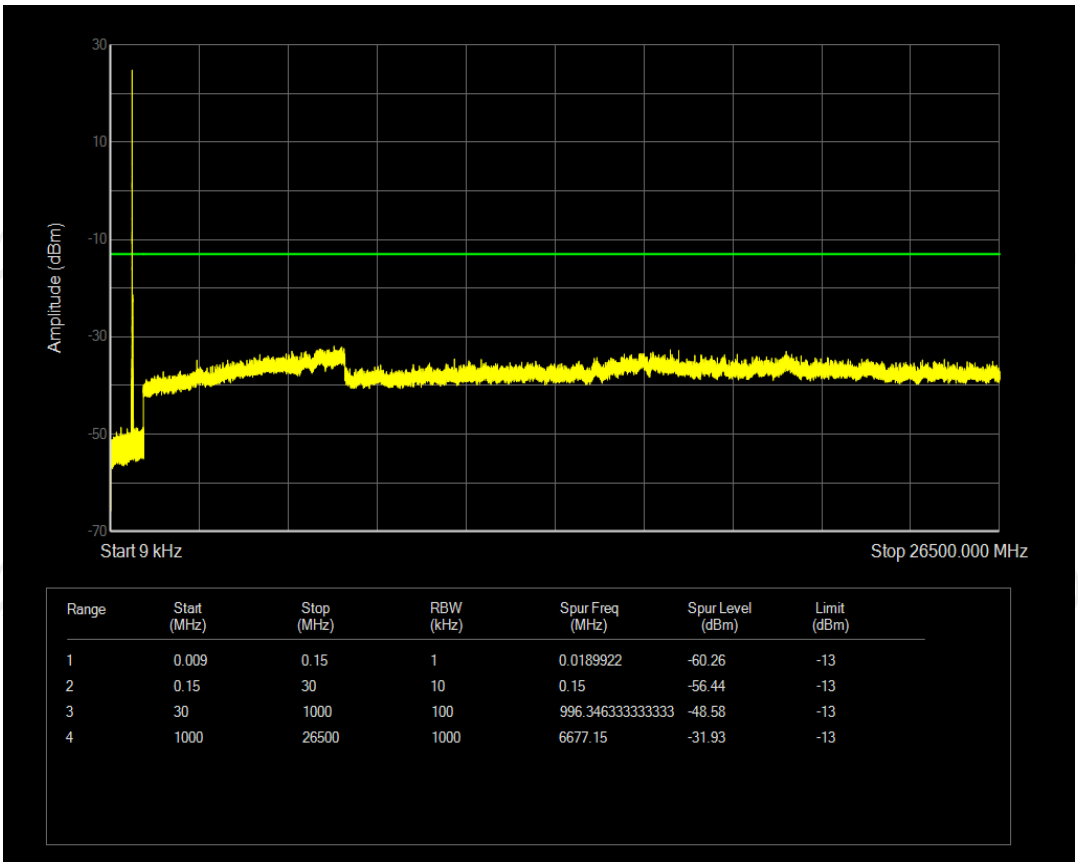
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0120174	-61.04	-13
2	0.15	30	10	0.16393	-57.64	-13
3	30	1000	100	931.324	-48.55	-13
4	1000	26500	1000	16206.5	-31.66	-13

Band71 16QAM BW=5MHz Channel=133447 RB Size=1 Position=#0



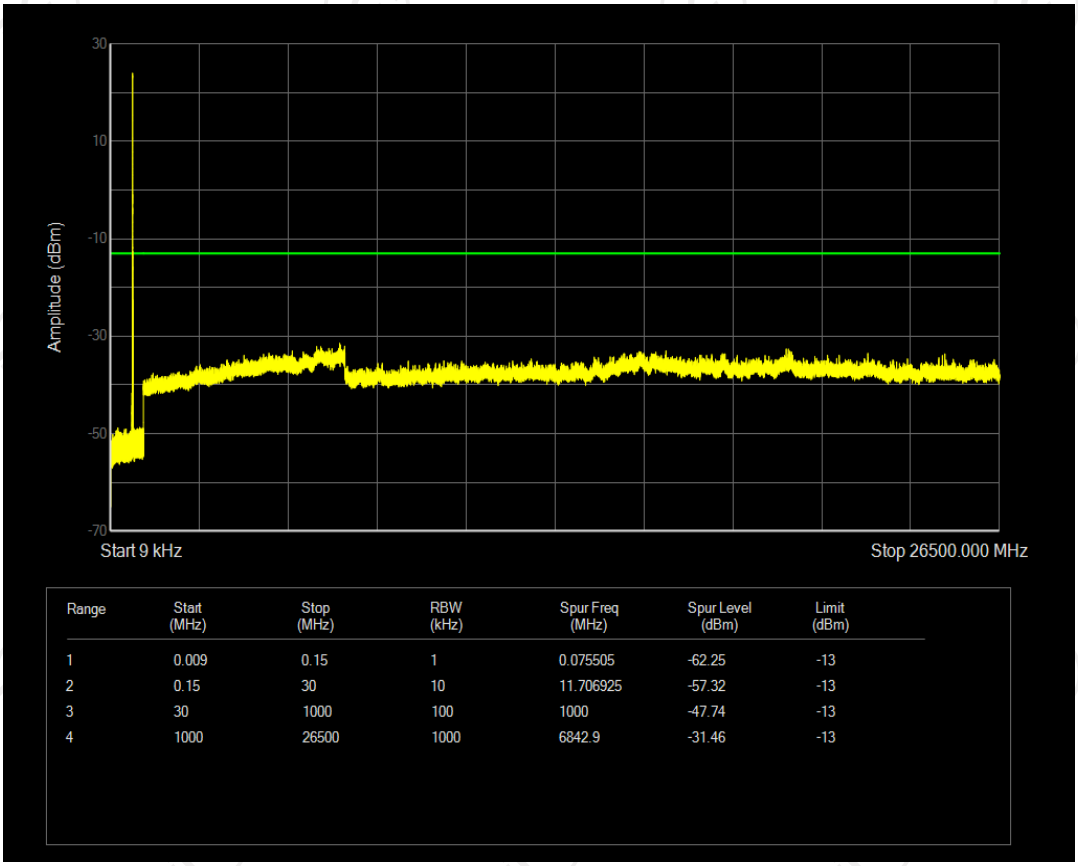
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0129386	-60.51	-13
2	0.15	30	10	0.152985	-57.2	-13
3	30	1000	100	816.702333333333	-48.89	-13
4	1000	26500	1000	6763.85	-31.78	-13

Band71 16QAM BW=10MHz Channel=133172 RB Size=1 Position=#0



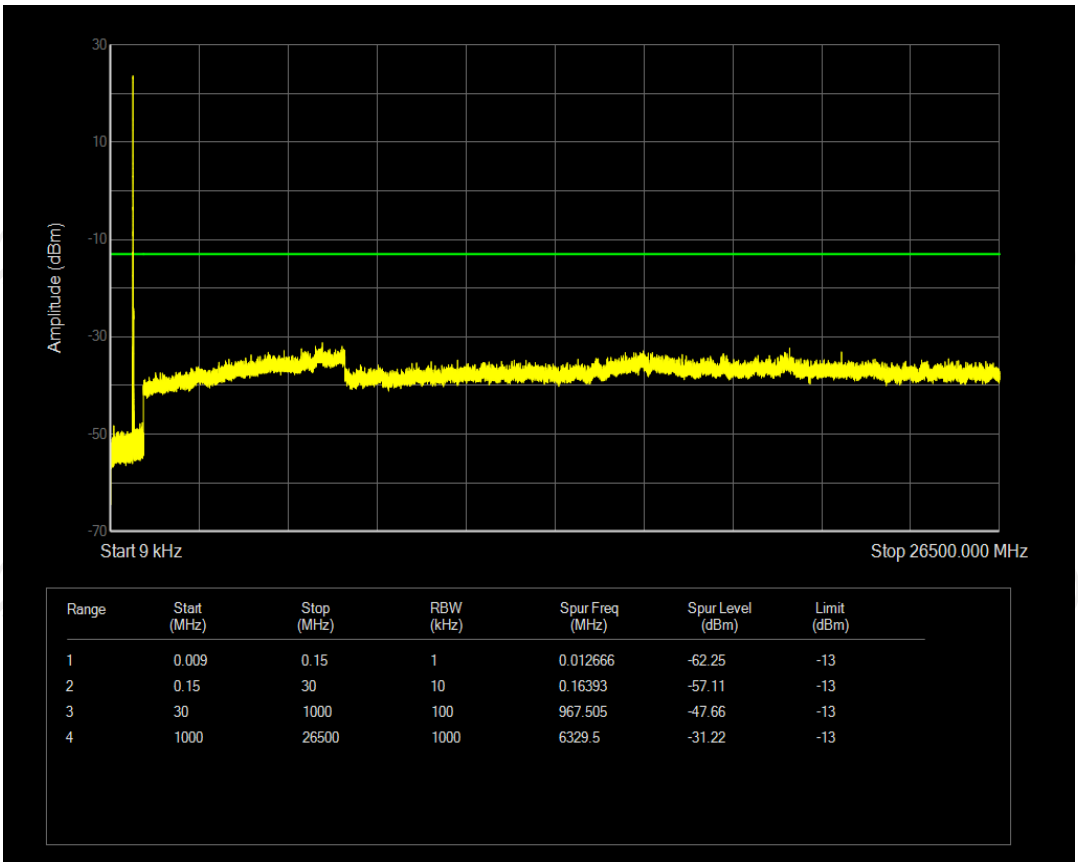
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0189922	-60.26	-13
2	0.15	30	10	0.15	-56.44	-13
3	30	1000	100	996.346333333333	-48.58	-13
4	1000	26500	1000	6677.15	-31.93	-13

Band71 QPSK BW=10MHz Channel=133297 RB Size=1 Position=#0



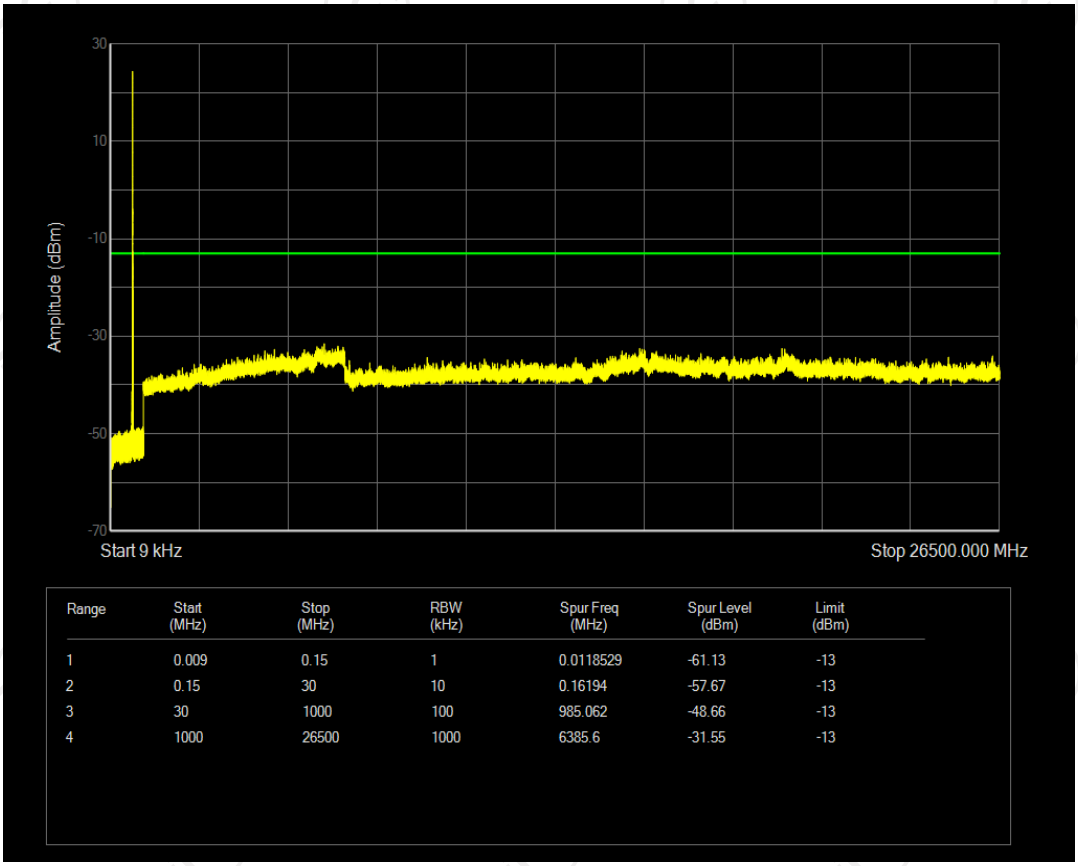
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.075505	-62.25	-13
2	0.15	30	10	11.706925	-57.32	-13
3	30	1000	100	1000	-47.74	-13
4	1000	26500	1000	6842.9	-31.46	-13

Band71 QPSK BW=10MHz Channel=133422 RB Size=1 Position=#0



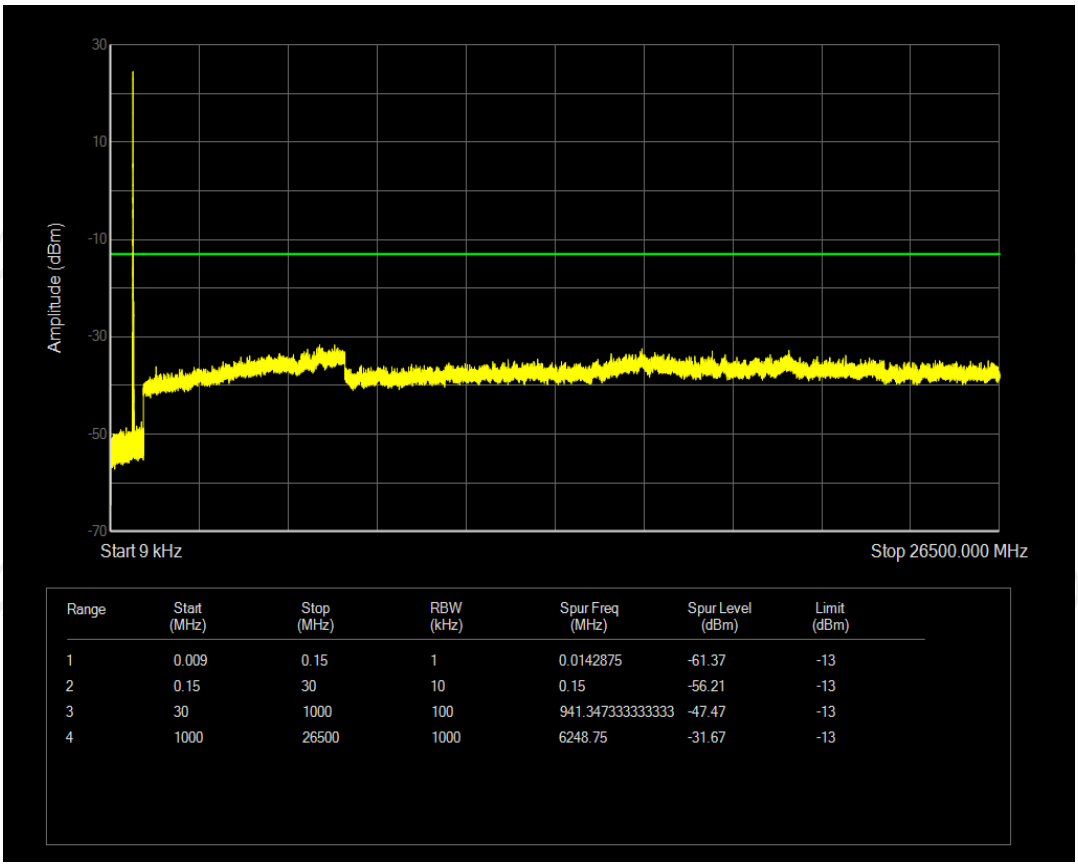
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012666	-62.25	-13
2	0.15	30	10	0.16393	-57.11	-13
3	30	1000	100	967.505	-47.66	-13
4	1000	26500	1000	6329.5	-31.22	-13

Band71 16QAM BW=10MHz Channel=133297 RB Size=1 Position=#0



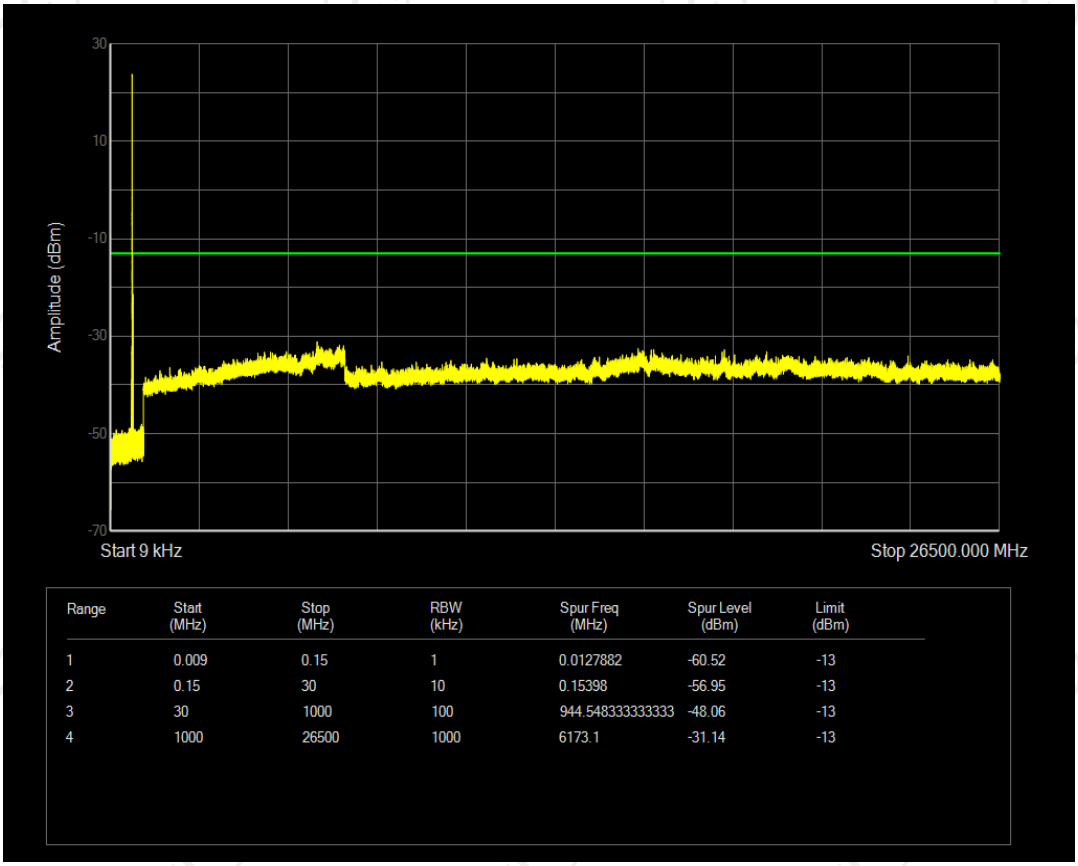
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0118529	-61.13	-13
2	0.15	30	10	0.16194	-57.67	-13
3	30	1000	100	985.062	-48.66	-13
4	1000	26500	1000	6385.6	-31.55	-13

Band71 16QAM BW=10MHz Channel=133422 RB Size=1 Position=#0



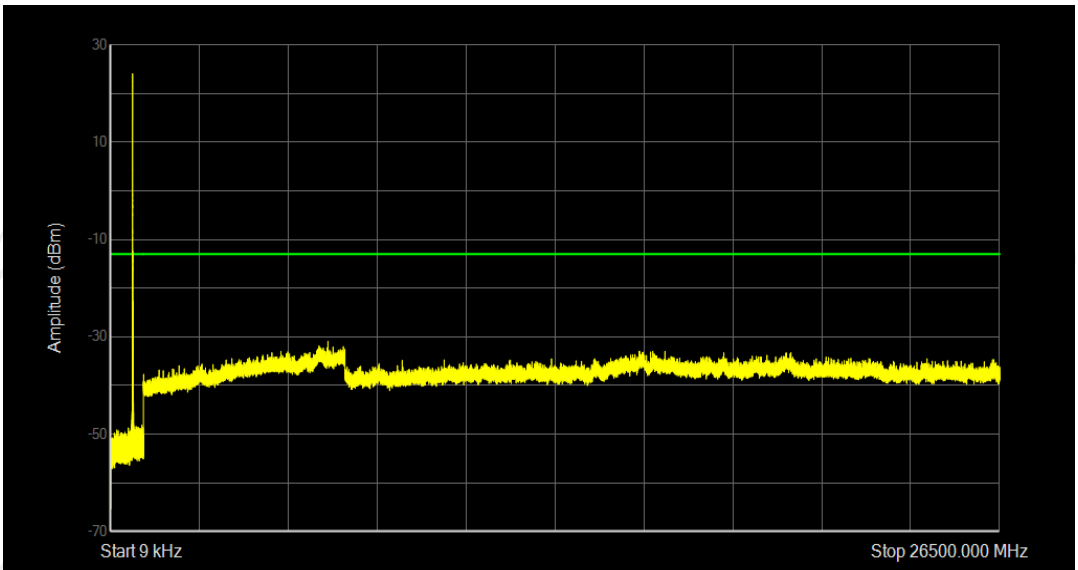
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0142875	-61.37	-13
2	0.15	30	10	0.15	-56.21	-13
3	30	1000	100	941.347333333333	-47.47	-13
4	1000	26500	1000	6248.75	-31.67	-13

Band71 QPSK BW=15MHz Channel=133197 RB Size=1 Position=#0



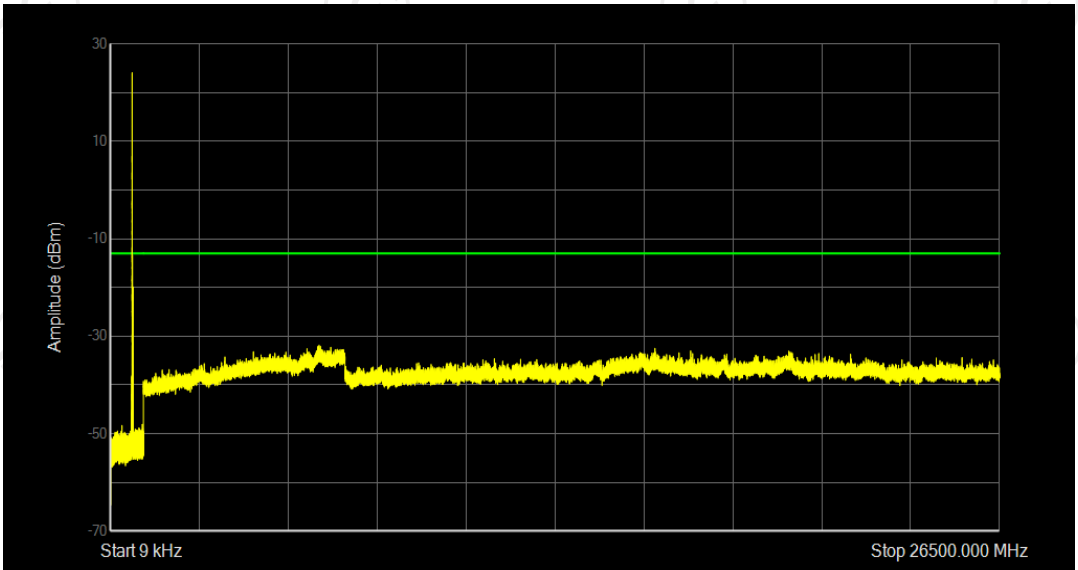
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0127882	-60.52	-13
2	0.15	30	10	0.15398	-56.95	-13
3	30	1000	100	944.548333333333	-48.06	-13
4	1000	26500	1000	6173.1	-31.14	-13

Band71 QPSK BW=15MHz Channel=133297 RB Size=1 Position=#0



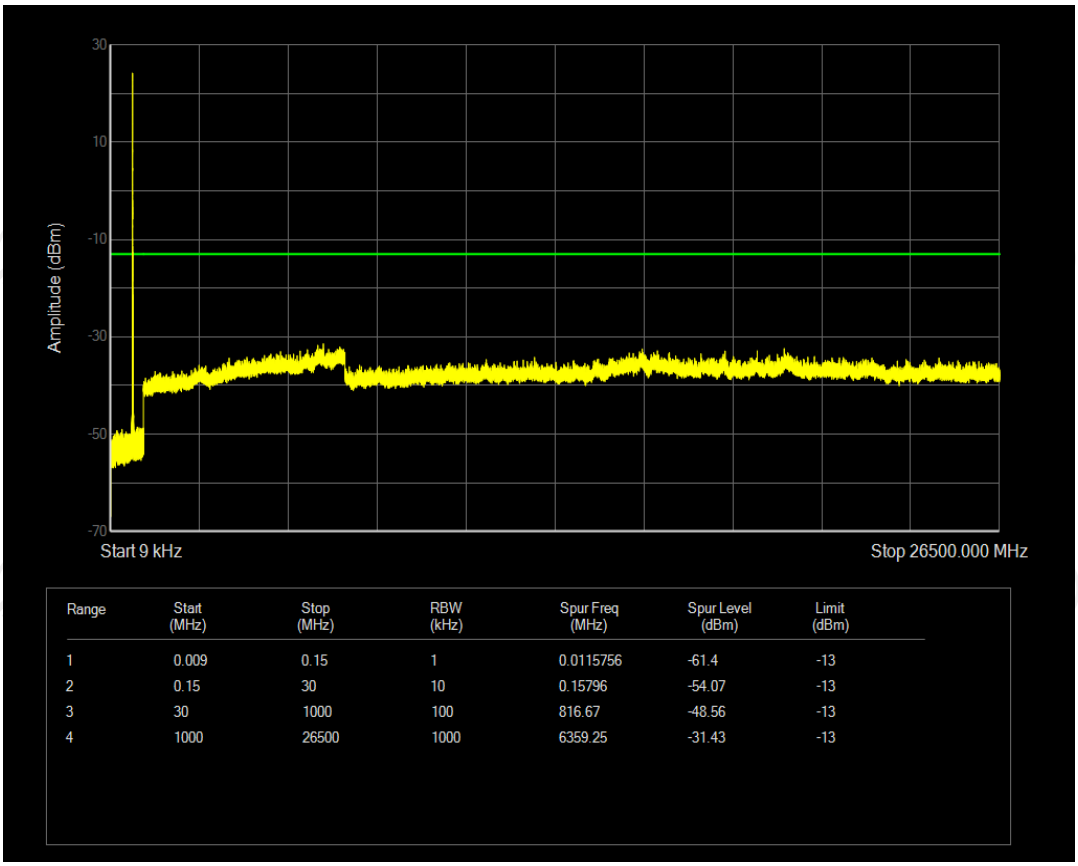
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0121208	-61.4	-13
2	0.15	30	10	0.15	-56.52	-13
3	30	1000	100	954.345333333333	-48.16	-13
4	1000	26500	1000	6496.1	-30.94	-13

Band71 16QAM BW=15MHz Channel=133197 RB Size=1 Position=#0



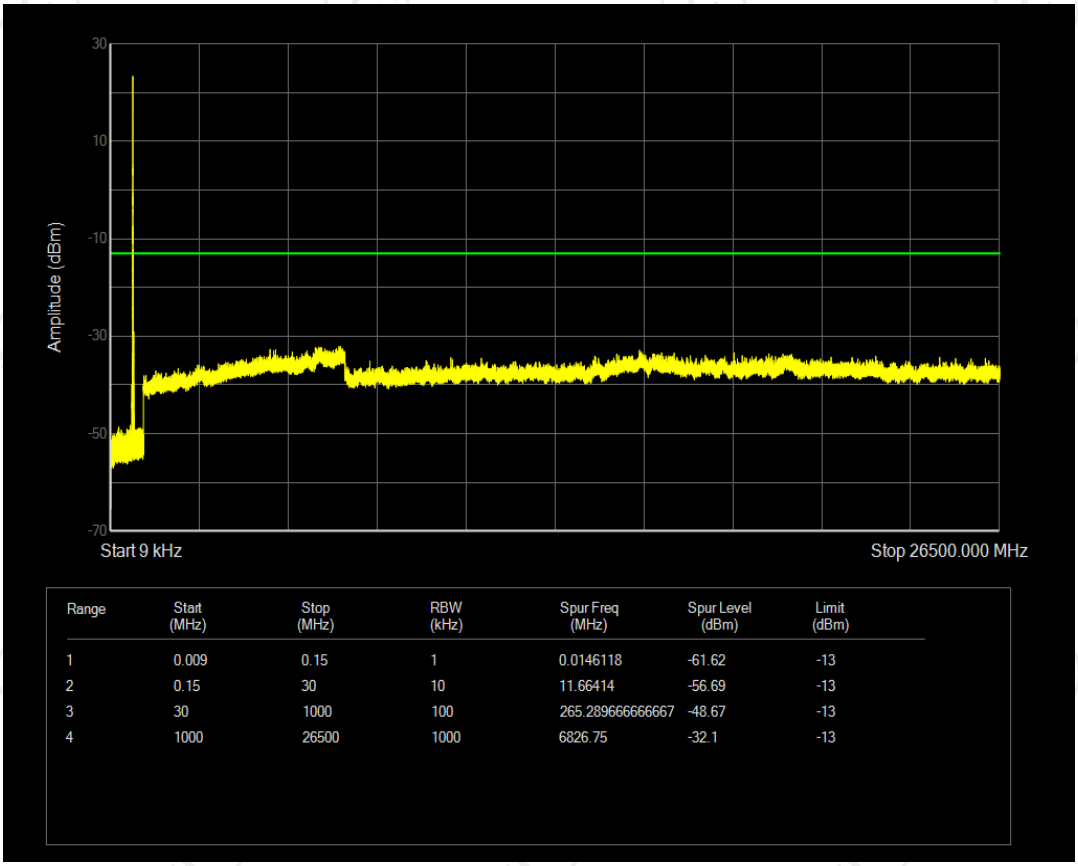
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.019669	-61.12	-13
2	0.15	30	10	12.144725	-57.69	-13
3	30	1000	100	968.895333333333	-48.08	-13
4	1000	26500	1000	6233.45	-31.89	-13

Band71 16QAM BW=15MHz Channel=133297 RB Size=1 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0115756	-61.4	-13
2	0.15	30	10	0.15796	-54.07	-13
3	30	1000	100	816.67	-48.56	-13
4	1000	26500	1000	6359.25	-31.43	-13

Band71 QPSK BW=15MHz Channel=133397 RB Size=1 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0146118	-61.62	-13
2	0.15	30	10	11.66414	-56.69	-13
3	30	1000	100	265.289666666667	-48.67	-13
4	1000	26500	1000	6826.75	-32.1	-13

Band71 QPSK BW=20MHz Channel=133222 RB Size=1 Position=#0

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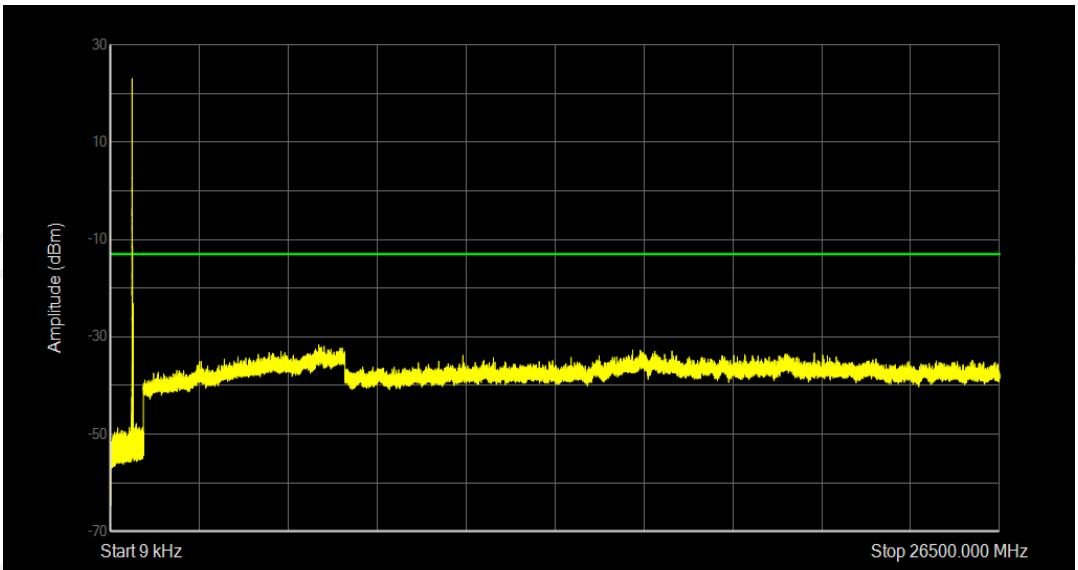
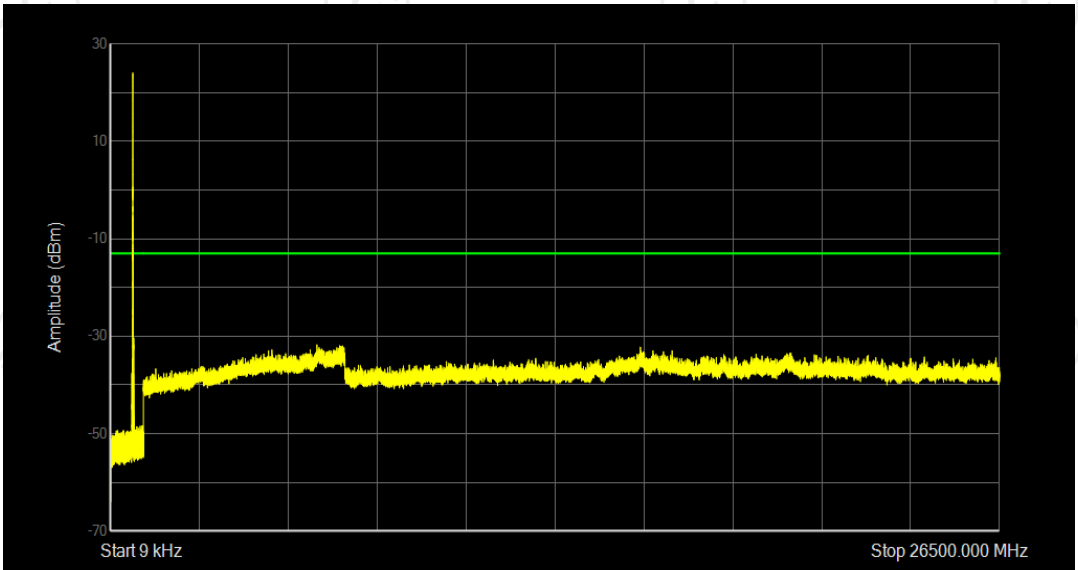


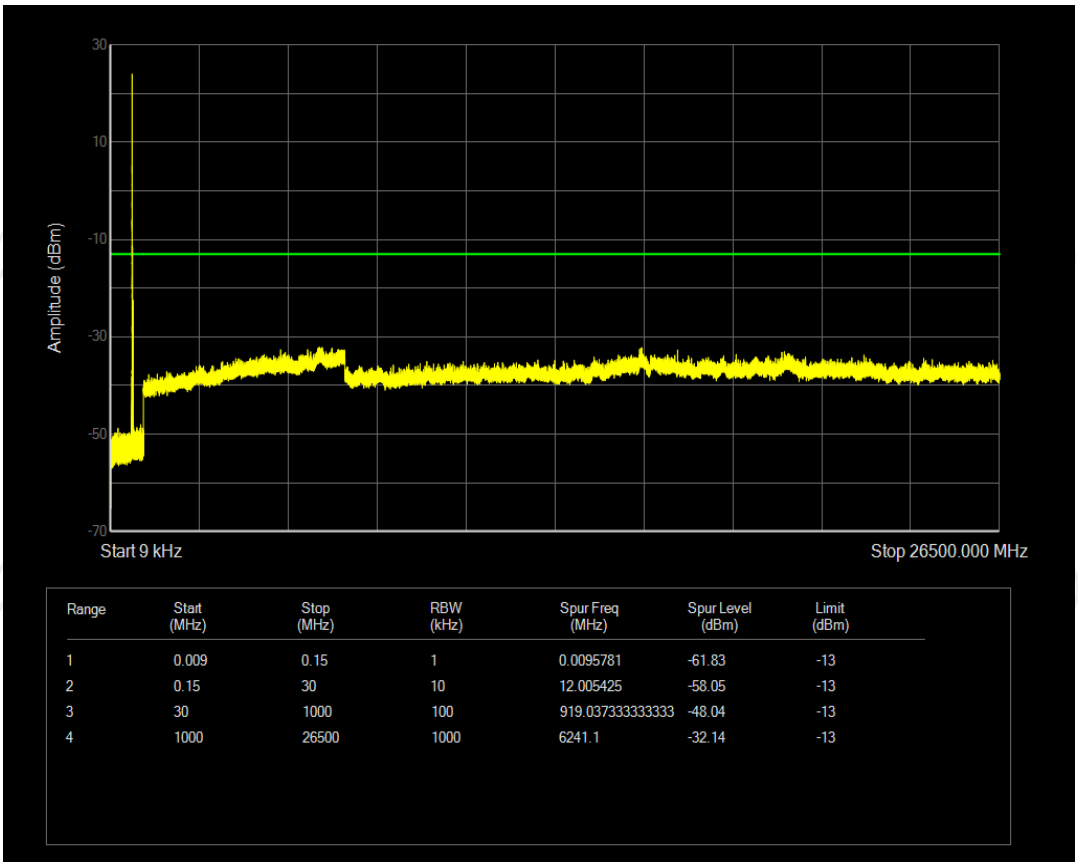
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012713	-59.24	-13
2	0.15	30	10	0.24154	-57.61	-13
3	30	1000	100	783.560666666667	-47.83	-13
4	1000	26500	1000	6223.25	-31.64	-13

Band71 16QAM BW=15MHz Channel=133397 RB Size=1 Position=#0



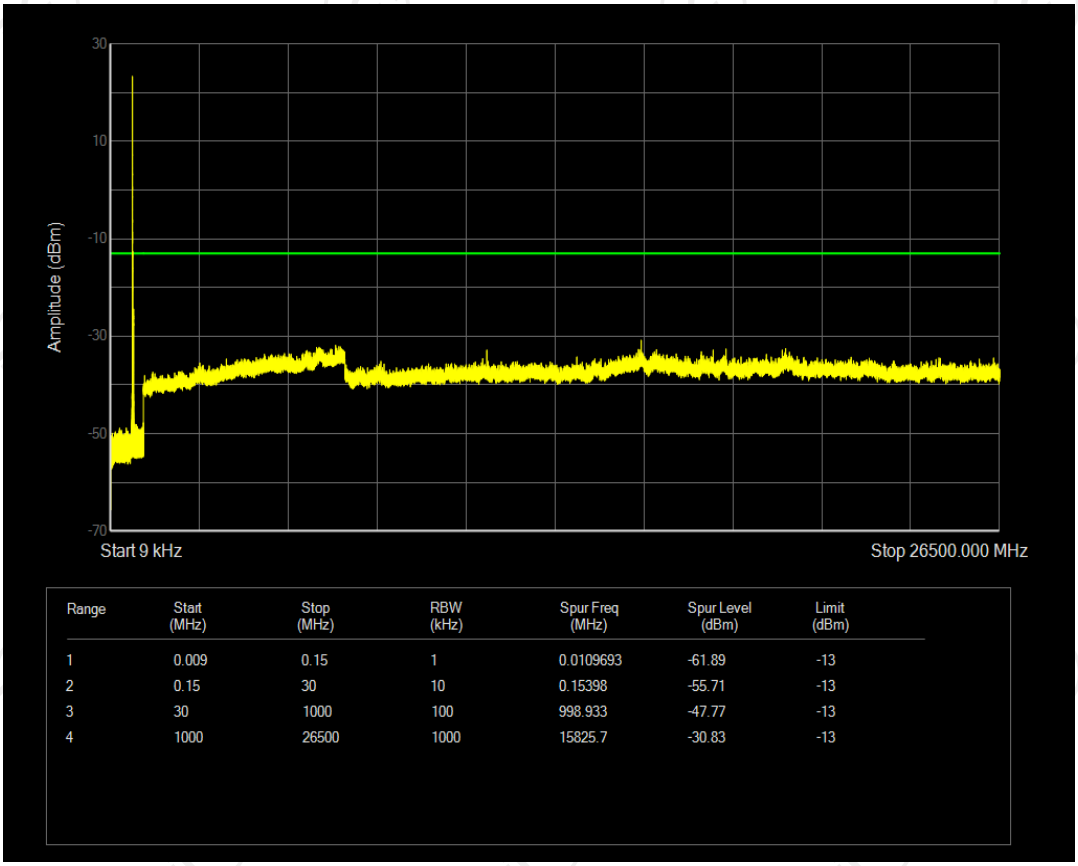
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0141465	-59.82	-13
2	0.15	30	10	0.15	-57.38	-13
3	30	1000	100	961.814333333333	-48.39	-13
4	1000	26500	1000	6166.3	-31.76	-13

Band71 16QAM BW=20MHz Channel=133222 RB Size=1 Position=#0



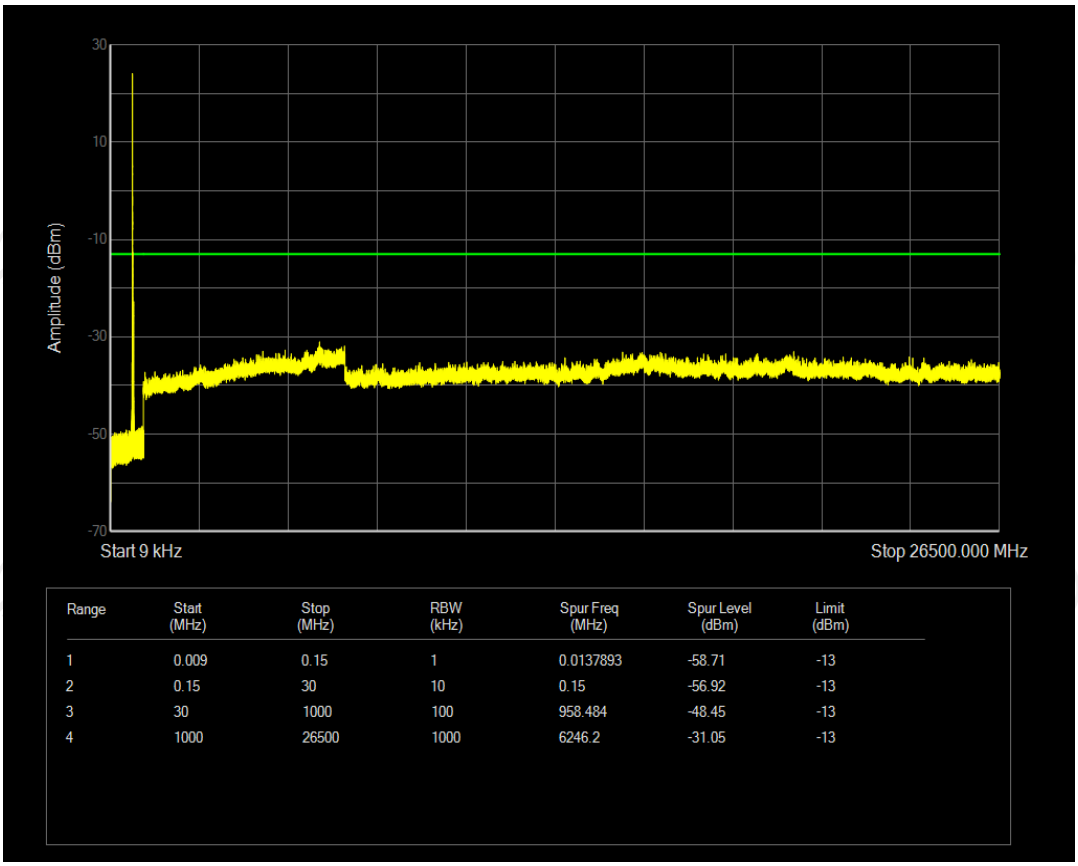
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0095781	-61.83	-13
2	0.15	30	10	12.005425	-58.05	-13
3	30	1000	100	919.037333333333	-48.04	-13
4	1000	26500	1000	6241.1	-32.14	-13

Band71 QPSK BW=20MHz Channel=133297 RB Size=1 Position=#0



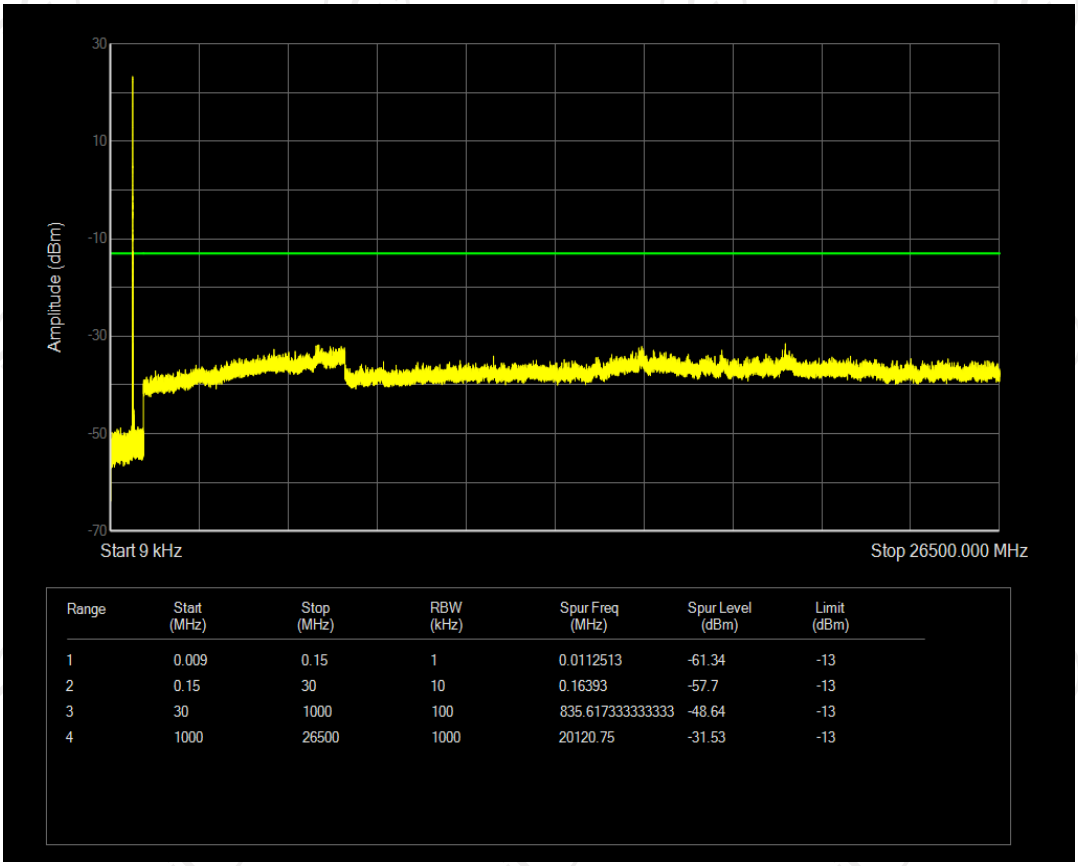
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0109693	-61.89	-13
2	0.15	30	10	0.15398	-55.71	-13
3	30	1000	100	998.933	-47.77	-13
4	1000	26500	1000	15825.7	-30.83	-13

Band71 16QAM BW=20MHz Channel=133297 RB Size=1 Position=#0



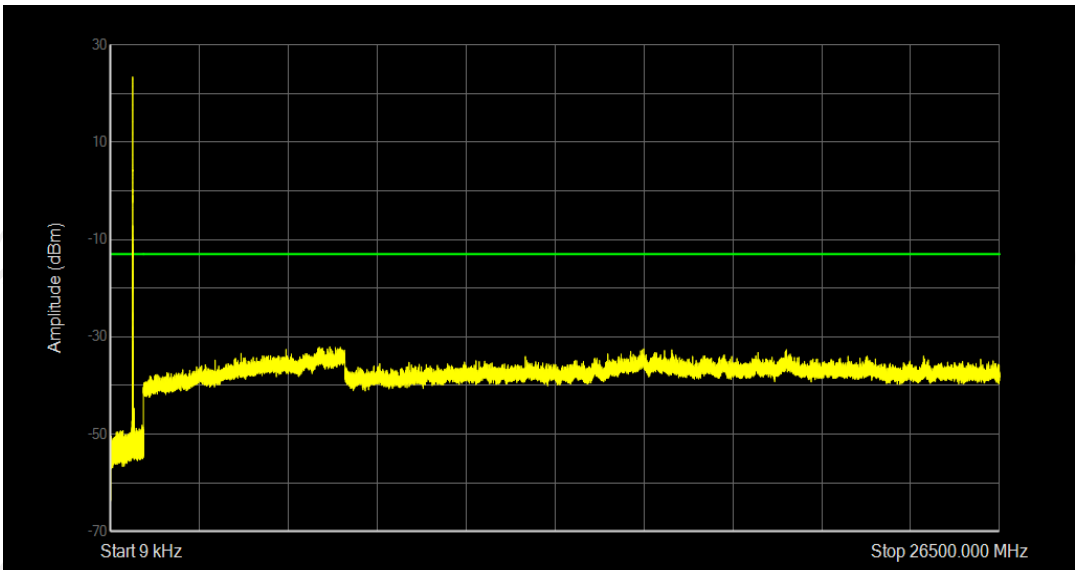
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0137893	-58.71	-13
2	0.15	30	10	0.15	-56.92	-13
3	30	1000	100	958.484	-48.45	-13
4	1000	26500	1000	6246.2	-31.05	-13

Band71 QPSK BW=20MHz Channel=133372 RB Size=1 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0112513	-61.34	-13
2	0.15	30	10	0.16393	-57.7	-13
3	30	1000	100	835.617333333333	-48.64	-13
4	1000	26500	1000	20120.75	-31.53	-13

Band71 16QAM BW=20MHz Channel=133372 RB Size=1 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-60.82	-13
2	0.15	30	10	12.606405	-56.22	-13
3	30	1000	100	961.297	-48.18	-13
4	1000	26500	1000	6551.35	-32.05	-13